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COMMERCIAL FEEDS REPORT

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana FEB 27 1979

Issued By
The Department of Agriculture, State of Montana, Helena, Montana
and

The Agricultural Experiment Station, Montana State College, Bozeman, Montana
VOLUME I, PAGE 1, 1953

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Helena, Montana 59601

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
MONTANA VEGETABLE OIL & FEED COMPANY										
Great Falls, Montana										
Montana 34% Linseed Meal -----	Bozeman	4208	34.0	28.3			3.5	4.4	9.0	11.7
AMERICAN CRYSTAL SUGAR COMPANY										
Denver, Colorado										
Molasses Dried Beet Pulp -----	Bozeman	4220	7.0	7.9			0.3	1.3	20.0	21.5
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
32% Standard Poultry Concentrate -----	Bozeman	4862	32	32.8			4.0	6.3	8.0	7.8
MISCO MILLS, Div. of Centennial Flouring Mills										
Missoula, Montana										
Egg Mash 20% -----	Bozeman	4291	20.0	19.9			3.0	5.0	8.0	8.0
Egg Mash 20% -----	Bozeman	4291	20.0	20.0			3.0	4.6	8.0	8.0
Rabbit Pellets -----	Bozeman	4313	15.0	16.5			2.5	3.6	12.0	11.8
Pellet 20's Sheep & Cattle Pellets -----	Bozeman	4307	20.0	20.3			2.5	4.0	9.0	9.0
Econo-Dairy Feed 16% -----	Bozeman	4324	16.9	17.7	5.33	5.1	2.5	3.1	10.0	7.3
Hi-Energy Builder Mash -----	Bozeman	4290	27.0	22.3			3.0	4.1	4.0	4.0
Chick Starter Mash -----	Bozeman	4287	18.0	19.1			2.5	4.6	8.0	7.9
Developer Scratch -----	Bozeman	4296	9.0	11.6			2.5	3.1	5.0	2.7
Scratch Feed -----	Bozeman	4297	9.0	10.5			2.5	3.1	5.0	2.6
Chick Scratch -----	Bozeman	4295	9.0	10.4			2.5	2.6	5.0	2.8
Sow & Pig Builder -----	Bozeman	4305	16.0	18.1			3.0	3.7	9.0	9.0
Hog Feeds -----	Bozeman	4304	13.0	14.2			2.5	3.8	10.0	7.3
Chick Starter Mash -----	Bozeman	4287	18.0	19.3			2.5	4.4	8.0	8.0
Calf Meal -----	Bozeman	4280	22.0	22.5			2.5	3.7	6.0	8.8
Calf Pellets -----	Bozeman	1048	22.0	22.6			2.5	3.9	7.0	8.6
Poultry Breeder Pellets -----	Bozeman	4293	20.0	20.3			2.5	4.5	9.0	9.0
Dairy Concentrate -----	Bozeman	4286	32.0	32.3			2.0	5.2	10.0	10.8
Econo-Dairy Feed 16% -----	Bozeman	4324	16.0	16.9	5.33	5.3	2.5	2.8	10.0	6.4
Shoquene -----	Bozeman	4290	11.0	11.8			2.5	4.3	9.0	6.5
Hi-Energy Broiler Feed -----	Bozeman	4290	22.0	22.1			3.0	4.5	4.0	4.0
Hog Concentrates -----	Bozeman	4306	32.0	34.0			2.0	3.9	10.0	10.0
Linseed High A's† -----	Bozeman	†		34.4				3.9		11.8
All Purpose Mash -----	Bozeman	4289	17.0	18.2			3.0	4.1	7.0	8.2
Vitameal -----	Bozeman	4281	26.0	29.4			3.0	3.7	5.0	6.9
Pellet 20's -----	Bozeman	4307	20.0	21.0			2.5	3.9	9.0	9.0
Calf Finisher Pellets -----	Bozeman	4283	15.0	16.9			3.0	3.6	9.0	8.4
Calf Weaner Pellets -----	Bozeman	4282	16.0	18.7			3.0	3.8	9.0	9.0
High Protein Supplement -----	Bozeman	4308	32.0	32.9			2.0	4.7	10.0	11.3
Beef Finisher -----	Bozeman	4310	13.0	14.5			2.5	3.3	9.0	6.5
Econo-Cubes -----	Bozeman	4323	20.0	22.1	6.66	6.6	2.5	3.3	9.0	7.0
HONEYMEAD PRODUCTS COMPANY										
Mankato, Minnesota										
Soybean Oil Meal, Toast Tested -----	Bozeman	†	44.0	45.8			0.5	4.3	7.0	7.0
JOSEPH SCHLITZ BREWING COMPANY										
Milwaukee 11, Wisconsin										
Schlitz Brewer's Dried Yeast -----	Bozeman	†	40.0	41.6			0.7	1.3	5.0	5.0
NATIONAL VITAMIN PRODUCTS, INC.										
Minneapolis 6, Minnesota										
Calvita -----	Bozeman	4501	26.0	26.5			8.0	8.3	2.5	3.6
SIMMONS STOCK GRO										
Chicago 1, Illinois										
Pail-O-Dried Skim Milk & Whey† -----	Bozeman	4551		19.1				T		1.1

Violations in Bold Type

†-Not Tagged Properly

†-Not Registered



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VOLUME I, PAGE 2, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein	Equivalent Crude Protein		Fat		Fiber		
			Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed
MONTANA FLOUR MILLS COMPANY										
Great Falls, Montana										
Ceretana Econo-Milk Dairy Ration	Bozeman	4599	16.0	17.3	3.0	2.5	3.5	3.8	11.0	9.6
Ceretana Calf Finishing Pellets	Bozeman	4592	15.0	16.6			4.0	4.8	8.0	5.5
Ceretana Hog Fattener	Bozeman	4598	14.0	15.6			3.5	3.9	7.0	6.1
Ceretana Calf & Lamb Starter	Bozeman	4601	24.0	24.6			4.0	4.5	7.0	7.0
Ceretana All-Mash Starter & Developer	Bozeman	4580	18.0	21.2			3.5	3.8	7.5	6.3
Ceretana Growing Mash	Bozeman	4584	18.0	18.1			4.0	4.3	8.0	8.0
Ceretana Hi-Power										
32% Pig & Hog Supplement	Bozeman	4595	32.0	36.1			4.5	4.7	10.0	9.2
Ceretana Hi-Power										
32% Poultry Concentrate	Bozeman	4590	32.0	35.7			4.5	4.5	8.5	10.5
Ceretana Hi-Power Molas-O-Cake	Bozeman	4602	20.0	24.0	5.0	6.3	3.0	3.0	10.0	8.5
Ceretana All Mash Grower	Bozeman	4585	15.0	17.1			3.5	3.9	8.0	7.7
Ceretana Hi-Calorie Broiler Mash	Bozeman	4586	20.0	24.0			4.5	4.3	4.0	4.6
Baby Chick & Turkey Scratch	Bozeman	4576	10.0	11.5			2.0	2.3	4.0	3.0
Turkey Grower	Bozeman	4582	20.0	22.0			4.0	5.6	9.0	8.4
Ceretana 20% Flushing Pellets	Bozeman	4	20.0	21.3	8.75	6.3	3.0	3.1	10.0	12.5
Ceretana Oat-B-Mineralized Cake	Bozeman	4605	12.0	13.3			3.5	3.1	11.0	9.4
Ceretana All Lay Mash	Bozeman	4587	15.5	18.8			3.0	3.7	8.0	7.0
Ceretana Intermediate Scratch	Bozeman	4577	10.0	10.5			2.0	3.0	4.0	2.6
Ceretana Hi-Power Molas-O-Cubes	Bozeman	4602	20.0	21.1	5.0	4.0	3.0	3.5	10.0	7.9
Ceretana Egg Mash 20%	Bozeman	4588	20.0	20.7			3.5	4.4	8.0	8.0
Ceretana Breeder's Egg Mash	Bozeman	4587	20.0	22.1			3.5	4.4	9.0	8.6
Hi-Power Molas-O-Cake Breeder Pellets	Bozeman	4606	20.0	22.3			3.0	3.8	10.0	9.8
Ceretana Hi-Power										
32% Dairy Mix Supplement	Bozeman	4608	32.0	38.9	8.75	9.6	3.0	4.3	9.0	7.4
DAWES PRODUCTS COMPANY										
Chicago, Illinois										
Dawes Dry-Dry	Bozeman	4941		26.8				6.6		17.2
Dawes Begin	Bozeman	4942	27.0	27.6			6.0	4.0	1.0	1.0
Pioneer Vitamin Concentrate	Bozeman	4938	31.0	26.0			2.0	4.1	6.0	1.3
Dawes's Vitamelk	Bozeman	4936	34.0	37.2			2.0	4.9	7.0	7.0
Dawes's Ad-Seal-IN	Bozeman	4		37.1				6.3		3.3
Dawes's Antibiotic Feed Supplement	Bozeman	4939		40.0				5.1		15.9
RANCHERS COTTON OIL COMPANY										
Fresno, California										
Bar None Cottonseed Meal	Bozeman	4436	41.0	49.9			0.5	2.2	14.0	9.9
PRODUCERS COTTON OIL COMPANY										
Fresno, California										
Producers 43% Cottonseed Meal	Bozeman	4215	43.0	47.2			3.5	5.3	12.0	11.1
HANSEN PACKING COMPANY										
Butte, Montana										
Vitamont Hi-Protein Chicken Food	Bozeman	4972	43.0	48.0			6.0	9.9	2.0	3.2
JOHN R. DAILY, INC.										
Missoula, Montana										
Daily's Meat & Bone Scraps	Bozeman	4976	45.0	49.6			12.0	10.3	3.0	3.0
RALSTON PURINA COMPANY										
St. Louis, Missouri										
PURINA Bulky Las A	Bozeman	4343	10.0	12.2			1.5	2.7	10.0	8.9
PURINA D & F Chow	Bozeman	4337	12.5	18.3		3.5	2.5	3.2	12.0	7.9
PURINA Range Breeder Checker A	Bozeman	4354	20.0	20.3			2.0	3.0	10.0	6.7
PURINA Range Checkers B	Bozeman	4356	20.0	22.3	5.5	5.8	2.0	2.8	8.0	5.3
PURINA Beef Chow	Bozeman	4351	32.0	31.7			3.5	2.8	8.0	8.0
Steer Fatena A	Bozeman	4	20.0	20.4			2.5	2.7	14.0	15.9

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VOLUME I, PAGE 3, 1953

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Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein.		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
RALSTON PURINA COMPANY										
St. Louis, Missouri										
Pig Startena A	Bozeman	4347	18.0	20.3			3.0	3.8	6.0	6.0
.005% 3-Nitro-4-Hydroxyphenylarsonic acid and .0125% sulfaquinoxaline in										
Purina Chow Starter A	Bozeman	4411	22.0	22.4			3.0	4.7	5.0	5.0
PURINA Layena A (complete ration)	Bozeman	4386	15.5	16.8			3.0	4.0	6.0	6.3
PURINA Layena A Mash (complete ration)	Bozeman	4386	15.5	16.6			3.0	4.0	6.0	6.6
PURINA Chowder	Bozeman	4397	36.0	36.5			1.5	2.9	9.0	9.0
Turkey Growena	Bozeman	4423	20.0	20.2			3.0	3.3	7.0	6.6
Chick Growing Chow	Bozeman	4390	23.0	23.3			2.0	3.2	8.0	7.3
Protena Dairy Feed A	Bozeman	4344	16.0	17.0			2.5	3.2	12.0	7.5
PURINA Sow & Pig Chow (supplement)	Bozeman	4345	32.0	32.1			2.5	4.6	11.0	7.3
PURINA Hen Chow Supplement	Bozeman	4349	36.0	37.3			2.0	7.1	10.0	7.3
PURINA Cow Chow Concentrate	Bozeman	4339	32.0	30.3	8.75	6.8	1.5	5.6	7.0	9.3
PURINA Calf Startena	Bozeman	4336	19.5	18.4			2.5	3.7	9.5	8.1
PURINA RABBIT CHOW CHECKERS										
(complete ration)	Bozeman	4373	15.0	16.0			2.0	3.1	18.0	16.6
PURINA Flock Chow	Bozeman	4391	13.0	17.5			2.5	4.2	3.0	6.2
PURINA Lay Chow	Bozeman	4389	20.0	18.7			2.5	3.7	6.5	6.1
Chick Startena	Bozeman	4376	20.0	21.1			3.0	4.9	5.0	5.0
Mink Chow	Bozeman	4371	11.0	14.3			2.5	2.8	6.0	4.6
Broiler Starter	Bozeman	4408	22.0	22.1			3.0	4.0	5.0	5.3
Broiler Chow Finisher	Bozeman	4413	13.0	16.9			3.0	4.0	4.5	4.5
Hen Chow	Bozeman	4400	9.0	3.9			2.0	3.4	5.0	2.6
Chick Growena	Bozeman	4378	17.0	20.8			3.0	3.8	7.0	6.0
PURINA Poultry Booster Checkers	Bozeman	4394	24.0	24.3			2.5	3.7	8.0	7.2
Turkey Starter	Bozeman	4422	24.0	25.0			2.5	3.7	7.0	7.0
Turkey Growing Chow Checkers	Bozeman	4425	23.0	26.7			2.5	3.0	8.0	8.0
Breeder Lay Chow	Bozeman	4387	20.0	21.0			2.5	4.0	6.0	7.4
D & F Chow Supplement A	Bozeman	4338	13.0	18.0			2.0	2.1	10.0	9.2
PURINA Calf Chow Checkers	Bozeman	4387	27.0	26.1			2.5	3.6	7.5	8.4
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Broiler Chow Starter A	Bozeman	4410	22.0	23.0			3.0	4.1	5.0	5.0
PURINA Omolene A	Bozeman	4366	10.0	12.4			2.5	3.3	11.0	7.2
PURINA Calf Meal	Bozeman	4387	27.0	27.0			2.5	1.6	5.0	6.5
PURINA Fat Calf Chow	Bozeman	4352	14.0	18.5			2.5	3.3	3.0	8.0
PURINA Creep Chow A	Bozeman	4361	13.0	17.0			2.0	3.5	6.0	7.7
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
GTA 20% Range Cake	Bozeman	4837	20.0	20.2	4.0	5.0	3.5	2.7	9.5	7.4
GTA Rabbit Pellets	Bozeman	4845		16.3			1.5			13.7
GTA Calf Starter Food	Bozeman	4351	24.0	26.6			3.8	3.3	6.7	6.1
GTA Calf Grower Meal	Bozeman	4850	20.0	20.7			3.8	3.9	8.2	9.6
GTA 20% Egg Mash	Bozeman	4864	20.0	20.6			3.9	4.9	7.3	7.3
GTA Chick Scratch	Bozeman	4099		10.6			2.0			3.9
GTA Hen Scratch	Bozeman	4701		10.3			1.3			4.3
GTA 15% Poultry Growing Mash	Bozeman	4867	18.0	18.0			3.5	5.0	7.9	7.9
GTA 20% Hog Concentrate	Bozeman	4856	30.0	23.1			4.0	4.0	8.0	8.9
GTA Buttermilk Poultry	Bozeman	4866		14.9			2.4			7.2
GTA Calf Fitting Feed	Bozeman	4849	13.0	19.5	2.0		3.7	3.1	3.5	8.4
GTA 20% Egg Mash	Bozeman	4864	20.0	21.0			3.9	5.0	7.8	7.8
GTA Special 20 Chick Starter	Bozeman	4889	20.0	20.1			4.0	5.3	7.0	9.0
GTA 32% Dairy Concentrate	Bozeman	4952	32.0	32.3	5.0	4.3	4.0	3.7	9.5	9.3
GTA Special 28 Sow & Pig Balancer	Bozeman	4855	23.0	23.0			4.0	5.2	7.5	7.5
GTA Sweet 16 Dairy Feed	Bozeman	4848	16.0	15.6	4.0	1.2	3.5	2.9	10.0	7.1
GTA Lay Mash Balancer	Bozeman	4851	30.0	31.2			4.5	5.4	7.5	7.3
GTA 18% Laying Mash	Bozeman	4865	18.0	18.0			3.7	4.3	8.2	7.8

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VOLUME I, PAGE 4, 1953

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
GTA All-Mash Starter & Developer	Bozeman	4870	17.5	17.5			3.5	5.8	7.5	6.8
GTA Horse Feed Pellets	Bozeman	4846	15.5	17.2			3.5	5.1	10.0	9.5
SWIFT & COMPANY										
Chicago, Illinois										
Swift's Cattle Concentrate	Bridger	4491	32.0	32.7	7.86	7.3	3.0	5.6	7.5	7.5
Swift's Dairy Concentrate	Bridger	†	36.0	37.1			4.0	5.6	7.5	9.6
Swift's Growing Mash	Bridger	4495	18.0	18.6			2.5	4.9	8.0	8.0
Swift's Chick Starter	Bridger	4496	20.0	21.0			3.0	5.0	6.5	6.1
Swift's Soybean Oil Meal 42%	Bridger	4442	42.0	42.6			3.5	5.3	7.0	7.0
Swift's 40% Swine Concentrate	Bridger	4493	40.0	39.2			2.0	6.8	8.5	8.3
FARMERS UNION GRAIN & SUPPLY OF WILLISTON										
Williston, North Dakota										
GTA Calf Meal	Billings	5025	24.0	29.8			4.5	4.9	6.5	5.9
GTA Fortified Laying Mash	Billings	5033	20.0	23.2			3.5	3.6	7.5	8.3
Dairy Concentrate†	Billings	5031	32.0	31.6		6.3		5.4		11.2
GTA Fortified Poultry Concentrate	Billings	5019	32.0	36.3			4.5	6.0	8.5	11.3
GTA Chick Starter	Billings	5027	18.0	19.3			3.0	3.9	6.0	6.0
GTA Fortified Hog Concentrate	Billings	5020	32.0	35.4			4.5	7.3	8.0	11.8
GTA 20% Fortified Sheep & Cattle Pellets	Billings	5022	20.0	26.1	6.6	6.4	3.0	6.0	10.0	9.7
GTA Chick Grower†	Billings	5026	17.0	18.1				4.1		8.3
PHILLIP R. PARK, INC.										
San Pedro & Fontana, California										
Manamar for Pig & Hog	Red Lodge	4250	35.0	38.4			3.5	5.1	10.0	10.0
Mixing Manamar	Red Lodge	4255	24.0	29.1			3.0	6.5	10.0	12.0
CARGILL INCORPORATED										
Minneapolis, Minnesota										
Cargill's 42% Concentrate	Red Lodge	†	42.0	46.2			0.5	3.7	7.0	7.0
PIERCE PACKING COMPANY										
Billings, Montana										
Meat Scraps & Bone Meal	Red Lodge	4483	50.0	54.1			8.5	9.5	3.5	3.5
RANCHERS COTTON OIL COMPANY										
Fresno, California										
Bar None 41% Cottonseed Meal	Red Lodge	4436	41.0	44.2			0.5	1.7	12.0	13.0
WESTERN CONDENSING CO.										
Appleton, Wisconsin										
Dried Whole Whey Fermentation Solubles	Bozeman	4326	12.0	12.2			0.5	0.8	0.0	0.0
GREAT FALLS MEAT COMPANY										
Great Falls, Montana										
Meat & Bone Meal	Bozeman	†	48.0	53.3			8.0	9.8	3.5	3.5
CANADIAN FISHING CO., LTD.										
Vancouver, B. C.										
Fish Meal†	Bozeman	†		70.3				8.7		1.2
LEDERLE, LAB., DIVISION AMERICAN CYANAMID										
New York, New York										
Fortafeed Brand Feed Supplement	Bozeman	4547	10.0	18.1			2.0	4.0	7.0	5.1
THE QUAKER OATS COMPANY										
Chicago, Illinois										
Full-O-Pep Scratch Grains	Billings	4748	8.5	10.6			2.5	4.1	3.0	2.3
Ful-O-Pep Super Grains	Billings	4749	19.0	20.0			4.0	5.7	8.0	7.3
Ful-O-Pep Fine Chick Grains	Billings	4744	9.0	10.0			2.0	3.4	3.5	2.2
Ful-O-Pep 32% Cattle Feed Concentrate	Billings	4710	32.0	31.9			2.0	3.0	10.0	10.0

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VOLUME I, PAGE 5, OCTOBER, 1953

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
OCCIDENT ELEVATOR										
Billings, Montana										
Occident Green Tag Stock Cubes	Miles City	4637	20.0	25.0	4.0	5.3	3.0	3.3	8.0	7.1
Farmer Mix Supplement	Miles City	4656	32.0	35.8			6.0	5.2	8.0	9.1
Occident Hen Scratch	Miles City	4633	10.0	12.9			2.0	2.0	4.5	4.0
Occident 20% Layer	Miles City	4649	20.0	21.4			3.0	4.2	7.5	7.3
Occident Chick Scratch	Miles City	4634	10.0	13.2			2.0	2.0	4.0	3.2
Occident Chick Starter	Hardin	4645	20.0	20.6			3.0	3.9	7.0	5.7
Occident Calf Meal	Hardin	4652	20.0	21.8			4.0	3.7	5.0	7.1
Occident Chick Grower	Hardin	4648	17.0	18.8			3.0	3.6	7.5	7.5
Occident All Mash Chick Starter	Miles City	4645	18.0	21.3			3.0	4.3	7.5	7.1
Occident Turkey Grower	Miles City	4636	20.0	20.2			3.5	5.5	7.5	6.8
Occident Sunburst Economy Layer	Miles City	4644	20.0	21.2			3.5	5.5	9.5	8.7
Cow Feed†	Miles City	5037		15.8				4.3		6.7
RUSSELL MILLER MILLING COMPANY										
Minneapolis, Minnesota										
Occident Bran	Miles City	4980	14.0	18.1			4.0	5.3	11.5	10.8
THE QUAKER OATS COMPANY										
Chicago, Illinois										
Ful-O-Pep Growing Mash	Billings	4746	19.0	20.3			3.5	4.3	8.0	7.3
Ful-O-Pep Laying Mash	Billings	4747	20.0	20.1			3.0	4.2	8.0	8.0
Ful-O-Pep Rabbit Pellets	Billings	4721	16.0	19.4			2.5	3.5	15.0	14.3
Ful-O-Pep Calf Starter	Billings	4713	20.0	20.9			4.0	4.0	8.0	7.4
Quaker Squared Schumacher Feed	Billings	4723	12.0	12.0			2.0	2.8	12.0	11.3
Ful-O-Pep Calf Starter	Hardin	4713	20.0	20.3			4.0	4.2	8.0	7.9
Ful-O-Pep Laying Mash	Hardin	4747	20.0	21.2			3.0	3.9	8.0	7.6
Ful-O-Pep Range Cake	Hardin	4723	20.0	21.0			2.5	3.5	9.0	8.9
NIXON & COMPANY										
Omaha, Nebraska										
Lincroy	Hardin	4454	40.0	41.5			2.0	1.8	9.0	9.0
GRAIN PROCESSING CORPORATION										
Muscatine, Iowa										
Grain Processing 101 Animal Poultry Suppl.	Bozeman	‡	30.0	32.1			6.0	7.1	6.0	8.0
GENERAL MILLS, INC.										
Minneapolis, Minnesota										
Hard Wheat Mixed Feed	Bozeman	4669	16.0	18.1			4.0	4.8	11.0	9.3
SIOUX SOYA MILLS										
Sioux City, Iowa										
"Su-Soy" Soybean Oil Meal with Corn	Bozeman	‡	44.0	46.1			0.5	0.7	7.0	5.6
JAMES FARREL & COMPANY										
Seattle, Washington										
Herring Fish Meal†	Bozeman	4190		70.4				7.0		0.9
CARGILL INCORPORATED										
Minneapolis, Minnesota										
44% Protein Solvent Ext. Soybean Oil Meal	Bozeman	4966	44.0	45.4			0.5	3.2	7.0	6.4
44% Solvent Extract Soybean Oil Meal	Miles City	4966	44.0	44.7			0.5	1.9	7.0	6.1
34% Cold Process Linseed Oil Meal	Bozeman	4985	34.0	35.2			4.0	4.2	9.0	10.8

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VOLUME I, PAGE 6, OCTOBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
IOWA MILLING COMPANY										
Cedar Rapids, Iowa										
Hy-Grade 44% Soybean Oil Meal	Bozeman	4613	44.0	41.3			0.5	0.8	7.0	8.1
LEDERLE LAB., AMERICAN CYANAMID COMPANY										
New York, New York										
Megacul-A-Nitrophenide 25%	Bozeman	4539	30.0	49.1			0.2	0.4	7.0	2.2
NITROGEN DIVISION, ALLIED CHEMICAL & DYE CORP.										
South Point, Ohio										
Feed Compound	Bozeman	†			262.0	262.0				
WESTERN CONDENSING COMPANY										
Appleton, Wisconsin										
Peebles Calf-Kit	Bozeman	4327	17.0	18.4			1.0	.9	.4	.9
DAWES MFG. COMPANY										
Chicago, Illinois										
MN-77†	Bozeman	4937		37.0				4.0		5.7
MISCO MILLS, DIV. OF CENTENNIAL FLOURING MILLS										
Missoula, Montana										
Poultry Concentrate	Bozeman	4294	32.0	32.3			2.5	5.2	9.0	10.8
Hard Bull Pellets†	Bozeman	†		17.8				3.7		7.7
OSCEOLA PRODUCTS COMPANY										
Osceola, Arkansas										
Osceola Brand 41% Solvent Extract Cottonseed Pellets	Miles City	4195	41.0	41.1			1.0	5.1	12.0	14.0
INTERNATIONAL ELEVATOR										
Minneapolis, Minnesota										
Star Hi 18% Egg Mash	Miles City	4903	18.0	20.1			3.0	5.1	8.0	8.0
Star Hi Special Breeder Mash	Miles City	4904	20.0	18.0			4.0	4.6	7.5	7.4
Star Hi Broiler Ration	Miles City	4907	20.0	22.0			3.0	6.7	5.5	5.5
Star Hi Calf Meal Pellets	Miles City	4905	22.0	24.4			3.0	4.6	6.5	7.6
Star Hi Phos-Plus Range Pellets	Miles City	4909	20.0	20.3			3.0	3.1	9.0	7.3
Star Hi 18% Egg Mash	Miles City	4903	18.0	18.8			3.0	4.2	8.0	8.0
Star Hi Chick Starter	Miles City	4912	20.0	22.3			3.0	4.5	7.0	8.1
Star Hi Corn Base Pellets	Miles City	4894	16.0	17.4			2.5	3.0	7.5	6.6
GEORGE BAGLEY ELEVATOR										
Minneapolis, Minnesota										
Blue Ribbon 18% Chick Grower	Miles City	4955	18.0	19.5			4.0	4.6	7.5	7.5
Blue Ribbon 20% Egg Mash	Miles City	4954	20.0	21.6			4.0	4.2	8.0	8.0
Blue Ribbon 20% Chick Starter	Miles City	4956	20.0	21.4			4.0	4.1	6.5	6.2
Blue Ribbon 20% Range Feed	Miles City	†	20.0	20.1	3.4	3.0	1.0	1.9	15.0	16.1
HERRING SALES										
Board of Trade Building Kansas City, Missouri										
41% Cottonseed Meal	Miles City	4971	41.0	41.9			4.0	6.8	13.0	10.9
GALLATIN VALLEY MILLING COMPANY										
Belgrade, Montana										
Brn	Bozeman	4229	15.0	17.3			4.5	4.5	10.0	9.2
Shorts	Bozeman	4231	15.0	17.2			4.0	5.0	9.0	8.3
Mixed Feed	Bozeman	4230	15.0	16.9			4.0	4.6	9.5	7.3

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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

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The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME I PAGE 7, OCTOBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
O. H. COOPER COMPANY										
Humboldt, Nebraska										
Lucky Laddie Calf Starter	Big Timber	†	24.0	25.5			3.0	3.7	6.0	8.3
BIEBER FEED & GRAIN COMPANY										
Big Timber, Montana										
Excellent 16% Dairy Feed†	Big Timber	4997		14.7				4.0		12.3
Excellent Egg Mash†	Big Timber	4451		19.1				4.4		8.5
Excellent Growing Mash†	Big Timber	4450		17.9				4.6		8.5
ARCHER-DANIELS-MIDLAND COMPANY										
Minneapolis, Minnesota										
Admin 42% Concentrate	Bozeman	†	42.0	43.0			0.5	2.9	7.0	7.0
Beef Fattener Pellets	Miles City	†	20.0	20.8			2.0	3.2	12.0	14.8
Archer Quality First Rabbit Pellets	Miles City	†	18.0	20.4			2.0	3.6	15.0	11.9
Archer Quality First Poultry Flakes	Miles City	†	15.0	16.5			3.5	4.4	5.0	4.6
20% Dairy Feed	Miles City	†	20.0	21.1			2.0	2.0	12.0	13.2
GOLDENA MILLS										
West Fargo, North Dakota										
Goldena Scratch Grains	Miles City	4507	10.0	10.8			2.5	2.8	4.0	7.1
GOOCH FEED MILL COMPANY										
Lincoln, Nebraska										
Chick Starter Granules Nitrophenide Mix	Broodus	5064	20.0	20.7			2.5	4.7	6.0	6.0
GOOCH Best Feed Hen Scratch	Broodus	†	10.0	9.0			2.5	2.9	3.0	2.1
GOOCH Best Layer Breeder Granules	Broodus	†	20.0	20.0			2.5	3.4	7.75	7.8
Growing Scratch	Broodus	†	10.0	9.9			2.0	3.6	3.0	2.1
GOOCH Calf Meal without Antibiotic	Broodus	†	25.0	26.6			3.5	3.8	6.0	6.0
GOOCH Growing Mash Granules	Broodus	†	18.0	19.8			2.5	3.6	7.0	7.0
DU PONT de NEMOURS & COMPANY										
Wilmington, Delaware										
Du Pont 2-60-2 Feed Compound	Bozeman	4440	262.0	263.8			0.1	0.2	0.6	0.6
WESTERN YEAST COMPANY										
Chillicothe, Illinois										
Western Live Yeast Culture	Bozeman	4484	9.0	8.9			2.5	4.4	5.0	4.1
ARMOUR & COMPANY										
Chicago, Illinois										
Blood Meal	Bozeman	4176	80.0	84.1			0.0	3.0	2.0	1.2
Armour's 50% Meat & Bone Scraps	Bozeman	4175	50.0	50.1			6.0	9.2	3.0	3.0
FISHEL PRODUCTS										
Kingsburg, California										
Nutri-Lass	Bozeman	4882	4.5	4.5			1.0	1.4	8.0	9.6
MONTANA FLOUR MILLS COMPANY										
Great Falls, Montana										
Ceretana Hi-Power Molas-O-Cake										
Breeder Pellets	Bozeman	4606	20.0	21.8			3.0	3.5	10.0	9.7
Ceretana Steer Fattener	Bozeman	4600	15.0	15.7			3.5	3.8	10.0	8.3
Ceretana 36% Range Pellets	Bozeman	4609	36.0	39.1	8.75	6.0	3.0	3.1	7.0	7.8
Ceretana Rabbit Pellets	Bozeman	4594	14.0	14.8			3.0	3.4	9.0	10.6
Steer Fattener†	Bozeman	4600		16.5				4.4		8.9

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VOLUME I, PAGE 8. OCTOBER, 1953

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
VYLACTOS LABORATORIES, INC.										
Des Moines, Iowa										
Omolass	Bozeman	4485	10.0	10.2			0.4	0.9	8.0	7.3
MIDWEST SOLVENT COMPANY										
Atchison, Kansas										
Distillers Dried Soluble	Bozeman	‡	23.0	21.3			5.0	1.5	5.0	4.5
NELSON BROS. FISHERIES										
Vancouver, B. C.										
Fish Meal†	Bozeman	‡		70.2				10.4		1.3
S. A. CAMP COTTON OIL COMPANY										
Carvelo, California										
Campo Brand Cottonseed Meal	Bozeman	‡	41.0	46.5			4.0	5.0	13.0	12.0
SHERIDAN FLOURING MILLS, INC.										
Sheridan, Wyoming										
Wheat Flour Middlings	Hardin	4459	16.0	16.9			4.0	3.4	4.0	2.4
Tomahawk 20% Protein Range Feed	Hardin	4462	20.0	22.6	1.33	1.3	4.0	3.5	7.25	7.3
Tomahawk Dairy Feed	Hardin	4463	18.0	20.2	1.5	1.4	3.0	3.2	5.0	7.4
Tomahawk Hog Supplement	Hardin	4474	28.0	30.4			4.15	3.0	8.0	8.0
Hard Wheat Mixed Feed	Hardin	4465	14.5	20.9			3.5	4.9	9.5	8.5
Tomahawk 4-H Calf Feed	Hardin	4949	12.25	13.4			3.5	2.6	6.75	6.75
Meat Scraps†	Hardin	‡		53.3				5.5		3.8
Tomahawk Chick Starter	Hardin	4478	17.0	18.8			4.0	4.5	6.25	6.0
Tomahawk Special Chick Scratch	Hardin	4480	10.0	13.4			3.0	3.1	5.0	3.5
Tomahawk Rabbit Pellets	Hardin	4468	17.5	16.8			3.5	3.5	9.0	8.4
Tomahawk Molasses Cow Feed	Lodge Grass	4491	13.75	17.4			4.25	3.9	9.0	7.2
Wheat Bran	Lodge Grass	4458	15.0	18.4			3.5	4.9	10.0	7.8
Tomahawk Growing Chick Mash	Hardin	4469	17.0	19.2			4.0	4.0	7.0	7.0
Tomahawk Horse Feed	Hardin	4950	11.0	12.8			3.5	3.5	11.0	7.8
Tomahawk Complete Hog Feed	Hardin	4474	15.0	18.0			3.0	3.1	6.25	5.3
Tomahawk Pig Starter & Weaning Meal	Hardin	4460	17.0	18.7			3.25	2.8	6.0	5.8
Tomahawk Calf Weaner Pellets	Hardin	4475	19.0	21.2			3.5	3.5	7.25	7.1
Standard Middlings	Hardin	4464	15.0	18.9			4.0	5.2	9.5	8.8
RALSTON PURINA										
St. Louis, Missouri										
Purina Chick Starter†	Billings	4376		21.8				4.1		5.6
Purina Lay Chow†	Billings	4389		21.8				3.2		5.5
Purina Rabbit Chow†	Billings	4372		15.6				3.2		13.8
SWIFT & COMPANY										
Chicago, Illinois										
Swift's Calf Food	Bridger	4492	25.0	26.5			2.5	5.0	8.5	7.8
Swift's Egg Mash	Bridger	4494	20.0	20.2			3.0	4.6	8.0	7.2
Swift's Soybean Oil Meal	Bridger	4442	42.0	41.7			3.5	5.4	7.0	7.0
HOLLY SUGAR CORP.										
Colorado Springs, Colorado										
Holly Sugarpulp	Hardin	4217	7.5	8.7			0.2	0.3	9.0	7.7
M. H. DAVIS COMPANY										
Little Rock, Arkansas										
Steerboy Brand 41% Protein Cottonseed Meal Cake	Hardin	‡	41.0	41.0			6.0	6.1	12.0	11.3

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VOLUME I, PAGE 9, NOVEMBER, 1953

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
ALBERS MILLING COMPANY Los Angeles, California Albers Calf Manna	Sidney	4173	25.0	26.3			4.0	4.1	5.5	5.5
DAWES LABORATORIES, INC. Chicago, Illinois AFCO Blend	Sidney	4987	50.0	49.0			1.0	3.1	6.0	5.3
FALK & COMPANY, INC. Minneapolis, Minnesota Northwest 32% Protein Expeller Linseed Oil Meal	Sidney	†	32.0	33.2			3.5	5.2	9.5	12.0
HANSEN FLOUR MILLS Wolf Point, Montana Just Right Chick Starter	Wolf Point	†	18.0	18.0			3.5	3.6	6.5	4.9
NIXON & COMPANY Omaha, Nebraska Nixon's 44% Soybean Oil Meal Pellets	Glasgow	†	44.0	45.2			0.5	1.9	8.0	6.6
"71" RANCH FEED CO. Billings, Montana "71" Yeast Culture	Chinook	†	10.0	14.5			4.0	4.0	3.0	4.0
A. E. STALEY MFG. CO. Decatur, Illinois 44% Soy-Corn Gluten Mix	Chinook	†	44.0	44.7			0.5	1.1	7.5	7.5
SWIFT & COMPANY Bluthville, Arkansas Swift's Cottonwood Meal	Glasgow	4441	41.0	41.0			5.0	5.1	13.0	12.5
SECURITY FOOD COMPANY Minneapolis 15, Minnesota Security Food	Hamilton	4221	20.0	18.9			4.5	4.5	3.0	2.7
HANSEN PACKING COMPANY Butte, Montana Tang of the Wild Hi-Protein Chicken Food	Hamilton	4972	43-50	50.1			6.0	12.1	2.0	2.0
HIGHLAND PRODUCTS INC. Minneapolis, Minnesota Highland's Hi-Nutra	Hamilton	†	25.0	25.0			4.0	4.2	2.0	2.0
MONTANA VEGETABLE OIL & FEED CO. Great Falls, Montana 34% Linseed Meal	Stevensville	4208	34.0	33.4			3.5	4.1	9.0	10.0
NORTHWEST RENDERING Minot, North Dakota Meat & Bone Scraps	Sidney	†		54.5				13.1		2.3
MILES CITY RENDERING COMPANY Miles City, Montana Meat & Bone Scraps	Glendive	4890	50.0	56.0			8.0	13.1	5.0	2.3
SAN JOAQUIN COTTON OIL CO. Berkeley, California Paymaster Brand 43% Cottonseed Cake Meal	Glendive	4181	43.0	43.1			5.2	9.4	12.0	11.7
THE BRODE CORPORATION Memphis, Tennessee Owl Brand 41% Prime Cottonseed Meal	Glendive	4266	41.0	42.5			5.0	8.0	13.0	10.1
CALIFORNIA COTTON OIL CORPORATION Los Angeles, California Collico Brand 40% Cottonseed Meal	Chinook	4204	40.0	45.0			4.0	4.5	12.0	10.9

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Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
G. E. CONKEY CO., Div. Wirthmore Feed Nebraska City, Nebraska Conkey's Hi-Vitamin Supplement for Poultry & Turkeys	Hayre	4984	25.0	29.5			2.0	4.2	6.0	6.0
GRAHAM & ROSS MERC. COMPANY Great Falls, Montana Diamond G Calf Meal	Fort Benton	4556	24.0	25.9			4.0	3.3	6.0	6.0
Diamond G Pan-A-Min Laying Mash	Fort Benton	4561	18.0	20.2			3.0	3.8	8.5	6.3
Diamond G Pan-A-Min Starting Mash	Fort Benton	4560	18.0	21.6			3.0	3.7	7.5	7.0
Diamond G Range Pellets	Fort Benton	4563	20.0	23.2	6.0	5.9	2.0	3.0	10.0	6.3
HAYRE RENDERING COMPANY Hayre, Montana Meat & Bone Scraps	Glasgow	4500		49.2				16.7		3.7
INTERNATIONAL ELEVATOR COMPANY Minneapolis, Minnesota Star Hi 18% Egg Mash	Glasgow	4903	18.0	19.9			3.0	4.4	8.0	7.0
Star Hi Chick Grower	Glasgow	4914	16.0	17.0			3.0	4.5	7.5	6.9
Star Hi Chick Starter	Glasgow	4912	20.0	21.8			3.0	4.7	7.0	6.6
Star Hi Turkey Starter	Glasgow	4913	25.0	26.2			3.0	4.2	7.5	7.5
Star Hi Scratch Grains	Glasgow	4906	10.0	12.2			2.5	2.7	4.0	1.7
Star Hi Calf Meal	Glasgow	4905	22.0	23.0			3.0	3.0	6.5	6.4
Star Hi Calf Meal	Glasgow	4905	22.0	24.0			3.0	4.2	6.5	6.0
SPENCER KELLOGG & SONS, INC. Minneapolis, Minnesota 32% Protein Old Process (Expeller) Linseed Oil Meal	Glasgow	4218	32.0	33.9			3.5	4.5	9.5	10.9
GOOCH FEED MILLS Lincoln, Nebraska 32% Feed Lot Supplement	Broadus	†	32.0	31.8	†	8.3	2.0	3.2	8.0	7.3
GOOCH 18% Dairy Ration	Broadus	†	18.0	19.9	5.8	5.8	2.5	4.3	9.0	7.3
41% Range Cubes	Broadus	5083	41.0	43.5	8.75	8.5	2.0	3.3	7.0	7.0
Calf Starter Pellets with Aureomycin	Broadus	†	25.0	26.2			3.0	3.0	6.0	5.0
Turkey Starter Granules	Broadus	†	27.0	27.8			2.5	3.5	6.5	6.5
Baby Chick Scratch	Broadus	†	10.0	11.2			2.0	2.7	3.0	2.1
Growing Mash	Broadus	†	20.0	20.3			2.5	2.8	7.0	7.0
Rabbit Pellets Ration	Broadus	†	20.0	20.9			2.0	3.1	12.0	11.5
18% Corn Cake	Broadus	5080	18.0	17.4	5.0	3.7	2.0	2.4	7.0	5.2
Oprema	Broadus	†	12.0	14.4			2.5	3.3	9.0	8.8
32% Range Cubes	Broadus	5082	32.0	33.5	8.75	6.7	2.0	2.4	7.0	7.9
23% Range Cubes	Broadus	5059	22.0	24.8	7.0	7.2	2.0	3.3	7.0	8.0
40% Hog Fattener Meal	Broadus	†	40.0	41.7			1.5	1.7	6.5	6.5
NIXON & COMPANY Omaha, Nebraska 41% Soybean Oil Meal Pellets	Billings	4452	41.0	43.6			1.0	2.1	8.0	7.3
MISCO MILLS, Div. of Centennial Flouring Mills Missoula, Montana Misco Feef Finisher	Billings	4310	13.5	14.5			2.5	3.5	9.0	6.3
Pellet 20's Sheep & Cattle	Billings	4307	20.0	22.0			2.5	3.3	9.0	7.9
High Protein Suppl. for Sheep & Cattle	Billings	4308	32.0	32.8			2.0	5.1	10.0	9.1
Dairy Feed 16%	Hamilton	4285	16.0	17.9			2.5	4.0	10.0	6.8
Lay Well Egg Mash	Hamilton	4292	18.0	19.4			2.5	3.8	9.0	8.5
Developer Mash	Hamilton	4288	16.0	16.4			3.0	3.8	8.0	8.0
Turkey Pre-Starter Mash	Hamilton	4299	28.0	30.9			3.0	3.1	6.5	5.1
TRI STATE MILLING CO. Rapid City, South Dakota Misco Wheat Bran	Broadus	†	15.0	16.2			3.0	4.2	12.5	9.1
F. C. AYRES MILLING & GRAIN CO. Denver, Colorado Amerco 32% Cattle & Sheep Supplement	Broadus	†	32.0	32.8	10.0	8.4	3.0	3.8	8.0	9.0
Amerco 16% Corn Cake	Broadus	†	16.0	16.7			3.0	3.6	5.0	5.0

Violations in Bold Type

†-Not Tasted Properly

‡-Not Registered



Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

Issued By

The Department of Agriculture, State of Montana, Helena, Montana
and

The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME I, PAGE 11, NOVEMBER, 1953

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
CARGILL INC.										
Minneapolis, Minnesota										
41% Expeller Soybean Oil Meal	Billings	4967	41.0	42.8			4.0	7.1	7.0	5.7
Old Process 34% Linseed Oil Meal	Billings	4966	34.0	35.9			4.0	4.8	9.0	10.5
44% Solvent Extracted Soybean Oil Meal	Wolf Point	4966	44.0	48.0			0.5	2.3	7.0	5.8
FISHEL PRODUCTS CO.										
Kingsburg, California										
Nutri-Lass	Billings	4882	4.5	4.6			1.0	1.5	8.0	11.8
VITAMIN PRODUCTS, Div. of Priority Mills										
Minneapolis, Minnesota										
Pig Vita	Billings	†	28.0	27.8			5.0	5.0	1.5	1.5
OCCIDENT ELEVATOR COMPANY										
Billings, Montana										
Green Range Layer	Billings	4650	16.5	17.6			3.0	3.1	8.0	6.6
CORVALLIS FEED & SUPPLIES										
Corvallis, Montana										
Farm Service Brand 16% Dairy Feed	Corvallis	†	16.0	15.7			3.0	3.4	9.5	7.0
Corvallis Brand 20% Egg Mash	Corvallis	†	20.0	20.8			3.0	3.8	8.0	7.6
RALSTON PURINA COMPANY										
St. Louis, Missouri										
Chowmix Breeder Mash	Stevensville	4687	18.0	18.2			2.5	3.7	7.0	6.3
Chowmix Breeder Feed (All Mash)	Stevensville	4688	15.0	16.3			2.0	3.7	7.0	4.9
Chowmix Laying Mash	Stevensville	4683	18.0	17.7			3.0	3.9	8.5	5.7
Chowmix Laying Feed (All Mash)	Stevensville	4682	15.0	16.4			3.0	4.2	8.0	5.9
Purina Rabbit Chow for Laboratories A (Without Antibiotics)	Stevensville	†	15.0	17.3			2.0	3.4	18.0	11.7
Purina Turkey Starter	Stevensville	4422	28.0	28.5			2.5	3.7	7.0	5.9
Chowmix 14% Dairy Feed	Stevensville	†	14.0	13.8	1.3	1.2	2.0	3.5	10.0	6.8
Purina Nursing Chow	Stevensville	4355	25.0	25.7			2.5	2.5	3.0	1.0
Purina Mash Chow	Stevensville	4370	20.0	21.0			3.0	3.8	6.0	3.8
Purina Mash Chow	Stevensville	4371	11.5	14.4			2.5	3.4	8.0	2.4
Purina Creep Chow	Stevensville	4361	13.0	16.1			2.0	3.8	6.0	5.2
Beef Chow	Stevensville	4351	32.0	34.1			3.5	2.4	8.0	6.8
Chowmix Broiler Growing Feed	Stevensville	4686	17.0	16.8			3.0	3.5	7.0	5.4
Chowmix Sow & Pig Feed	Stevensville	4589	14.0	14.1			2.5	3.0	7.0	6.1
Chowmix Hog Feed	Stevensville	4690	13.0	14.8			2.5	2.8	9.0	7.7
Chowmix D & F Feed C	Stevensville	4692	10.0	11.0			2.5	2.8	15.0	9.3
Chowmix 16% Dairy Feed B	Stevensville	4691	16.0	16.3	2.2	2.0	2.5	3.3	10.0	6.8
Chowmix Steer Fatening Feed	Stevensville	†	12.0	13.7			2.5	3.3	10.0	6.7
Chowmix Chick Growing Mash	Stevensville	†	13.0	13.2			2.0	2.9	5.0	2.8
Purina Pigeon Chow	Stevensville	4680	17.0	17.4			3.0	3.4	8.0	5.0
Chowmix Chick Growing Mash	Havre	4683	18.0	20.6			3.0	3.2	8.5	5.5
Chowmix Starter Mash	Havre	4679	18.0	18.8			3.0	3.3	8.5	3.5
Chowmix Chick Growing Mash	Havre	4680	17.0	18.8			3.0	3.5	8.0	5.8
Purina Flock Chow A	Havre	4392	18.0	20.2			2.5	3.9	7.0	4.6
Purina Chick Chow (Coarse)	Havre	4399	9.0	9.4			2.0	3.4	4.0	1.4
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Broiler Chow A	Havre	4404	18.0	21.0			3.0	3.0	7.0	5.7
Purina Chick Growers A	Havre	4379	17.0	18.8			3.0	3.2	7.0	4.6
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Chick Starter A	Havre	4377	20.0	21.7			3.0	3.2	5.0	4.4
Purina Chowder Special	Havre	4396	32.0	33.6			2.5	4.5	9.0	8.2
Purina Special Range Checkers B	Havre	4357	32.0	36.1	8.7	2.2	2.5	3.2	8.0	6.5
Purina Calf Chow Checkers	Havre	4887	27.0	29.1			2.5	2.9	7.5	6.4
Chowmix Growing Feed (All Mash)	Havre	4682	15.0	16.9			2.5	3.6	6.0	5.3
MILK RIVER ELEVATOR										
Chinook, Montana										
Star White Laying Mash	Chinook	4705	20.0	20.3			4.0	4.0	9.0	8.2
Star White Chick Starter	Chinook	4704	20.0	20.8			4.0	3.3	8.0	5.4
Star White Chick Grower	Chinook	†	18.0	19.6			2.5	3.5	8.0	6.4
Star White Turkey Starter	Chinook	4703	26.0				3.9			7.0
Star White Range Pellets	Chinook	4702	20.0	23.4	6.5	6.7	2.5	2.6	9.0	6.4

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The Department of Agriculture, State of Montana, Helena, Montana

and

The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME I, PAGE 12, NOVEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
SOUTHLAND COTTON OIL CO.										
Dallas, Texas										
Southland's Cottonseed Cake Pellets	Miles City	†	43.0	42.9			5.2	6.8	12.0	10.4
Southland's Cottonseed Cake Pellets	Miles City	†	41.0	40.8			5.0	6.0	13.0	12.6
OCCIDENT ELEVATOR										
Billings, Montana										
Occident Red Tag Stock Cubes	Miles City	4639	25.0	27.4	6.0	6.0	3.0	3.6	7.0	5.6
NORTH DAKOTA MILL & ELEVATOR										
Grand Forks, North Dakota										
Dakota Maid Chick Scratch	Wibaux	4574	10.0	10.6			2.5	3.4	4.0	3.7
Milky Way Dairy Feed	Wibaux	†	18.0	18.5			3.5	5.5	12.5	12.0
Dakota Maid Turkey Grower	Wibaux	†	20.0	19.3			3.0	4.3	7.0	6.9
Dakota Maid 20% Laying Mash	Wibaux	4568	20.0	20.8			3.5	4.3	7.0	7.3
Dakota Maid Chick Starting Mash	Wibaux	†	18.0	20.6			4.0	4.1	6.0	6.0
Dakota Maid Chick Starter	Wibaux	†	20.0	20.5			3.0	4.9	6.0	6.0
Dakota Maid Calf Meal	Wibaux	4572	24.0	27.4			3.0	5.2	6.0	4.9
Dakota Maid Chick Grower	Sidney	†	17.0	17.0			3.0	4.9	7.0	7.0
Dakota Maid Chick Starter	Sidney	†	20.0	20.3			3.0	5.8	6.0	7.3
Dakota Maid 20% Range Pellets	Sidney	4569	20.0	22.8	6.5	6.8	2.5	5.3	10.0	11.2
Dakota Maid Chick Grower	Sidney	†	17.0	17.8			3.0	3.8	7.0	7.0
Dakota Maid Laying Mash	Sidney	4566	20.0	20.7			3.0	3.9	7.0	7.0
Dakota Maid Chick Starter	Sidney	†	20.0	20.0			3.0	4.6	6.0	7.3
Dakota Maid Chick Scratch Feed	Sidney	4574	10.0	12.2			2.5	2.7	4.0	2.7
Dakota Maid Calf Meal	Sidney	4572	24.0	28.0			3.0	5.0	6.0	5.8
Dakota Maid Dairy 40% Suppl.	Sidney	4568	40.0	40.0	14.0	9.1	3.0	4.2	9.0	9.0
Dakota Maid Beef Suppl. B	Sidney	4570	32.0	33.6	10.6	8.9	3.0	3.3	9.0	9.0
Dakota Maid 20% Laying Mash	Sidney	4566	20.0	22.4			3.5	3.0	7.0	6.9
Dakota Maid Beef Suppl. 32%	Sidney	4570	32.0	33.1	14.0	9.37	3.0	4.7	9.0	12.1
GENERAL MILLS INC.										
Minneapolis, Minnesota										
Larro 20% Dairy Feed	Wibaux	†	20.0	18.9			2.5	3.3	12.0	11.0
Larro Calf Builder	Wibaux	4792	24.0	28.0			2.5	2.7	6.0	6.0
Larro Hog Builder	Wibaux	4786	35.0	39.2			2.0	3.6	10.0	9.0
Larro Egg Mash	Wibaux	†	20.0	21.5			2.5	5.0	8.0	7.0
Larro 32% Surecattle Suppl.	Sidney	4790	32.0	32.3			2.0	4.0	9.0	8.5
Larro Surecalf	Sidney	4677	16.0	16.0			2.5	5.0	13.0	11.0
Larro Surecalf	Sidney	4792	24.0	28.6			2.5	3.4	6.0	5.2
44% Protein Hexane Extracted Soybean										
Oil Meal	Sidney	4676	44.0	47.2			0.5	2.6	7.0	5.5
Larro Surechamp	Sidney	4766	24.0	26.0			5.0	5.6	6.0	5.3
Larro 32% Surecattle	Fort Benton	4790	32.0	33.9			2.0	2.4	9.0	8.3
INTERNATIONAL ELEVATOR CO.										
Minneapolis, Minnesota										
Star Hi Rabbit Pellets	Glendive	4901	16.0	19.7			2.5	3.4	16.0	15.9
Star Hi 18% Egg Mash	Glendive	4903	18.0	19.6			3.0	4.0	8.0	8.0
Star Hi Broiler Ration	Glendive	4907	20.0	21.6			3.0	3.8	5.5	5.5
Star Hi Chick Starter	Glendive	4912	16.0	16.5			3.0	4.0	7.5	7.5
Star Hi Phos Plus Protein Pellets	Glendive	†	32.0	32.2			2.0	2.9	10.0	12.8
Budget Pellets	Glendive	4895	14.0	15.3			3.0	3.9	10.5	10.5
Phos Plus Range Pellets	Glendive	4909	20.0	20.5			3.0	3.1	9.0	9.0
Star Hi Calf Finisher Pellets	Glendive	4898	15.0	16.6			2.0	3.5	8.0	8.0
Star Hi Turkey Grower	Glendive	4902	20.0	21.5			3.0	4.1	7.5	8.0
Star Hi Half N Half Scratch	Glendive	4899	10.0	11.8			2.5	3.1	3.5	2.8
Star Hi Chick Starter	Glendive	4912	20.0	19.8			3.0	4.1	7.0	6.2
Star Hi Turkey Starter	Glendive	4913	25.0	27.6			3.0	4.0	7.5	7.5
Star Hi Corn Base Pellets	Glendive	4894	16.0	16.7			2.5	2.2	7.5	5.5
Star Hi Pig Starter	Glendive	4908	22.0	23.5			3.0	3.0	7.5	7.5
Star Hi Dairy Concentrate	Glendive	4911	35.0	37.4			1.0	2.8	8.0	7.2
Star Hi Calf Weaner Pellets	Glendive	†	17.0	19.0			2.0	2.8	7.5	7.3
Star Hi Calf Meal	Glendive	4905	22.0	24.0			3.0	4.2	6.5	6.0

Violations in Bold Type
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‡-Not Registered



COMMERCIAL FEEDS REPORT

Issued By
The Department of Agriculture, State of Montana, Helena, Montana
and
The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME 1, PAGE 13, DECEMBER, 1935

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
OCCIDENT ELEVATOR COMPANY										
Billings, Montana										
Blue Tag Stock Cubes	Billings	4638	40.0	43.5	13.1	14.2	2.5	3.0	7.0	7.0
White Tag Stock Cubes	Billings	†	20.0	22.7	4.0	5.5	2.5	3.9	9.0	8.9
Sunburst 20% Stock Cubes	Billings	4640	20.0	19.4	4.0	3.9	3.0	3.4	9.5	7.3
Oat-Mix Mash Maker	Billings	4656	36.0	37.2			2.0	4.4	8.0	7.6
Rabbit Pellets	Billings	4970	15.5	17.7			2.5	4.2	15.0	14.0
Flock Breeder	Billings	4651	20.0	20.5			3.0	4.4	7.5	6.2
18% Protein Laying Mash	Billings	†	18.0	19.6			4.0	4.1	8.0	7.0
Dairy Supplement	Billings	†	34.0	35.9			3.5	3.8	7.5	9.5
Broiler Ration	Billings	4647	20.0	22.2			3.0	4.1	7.0	5.8
Dairy Feed (Steam Rolled)	Billings	4641		16.6				3.0		5.5
32% Dairy Supplement	Billings	4642		36.1			5.0	3.3		8.2
32% Fattening Supplement	Billings	†	32.0	33.5	0.0	8.6		4.0		7.8
Occident Flock & Crate Fattener	Sidney	4964	14.0	19.5			3.0	4.6	7.0	4.6
Occident Broiler Ration	Sidney	4647	20.0	21.3			3.0	3.4	7.0	5.6
Occident Turkey Starter	Sidney	4632	26.0	26.0			3.5	5.0	7.5	6.2
Occident Chick Grower	Sidney	4649	17.0	17.8			3.0	4.0	7.5	5.4
Occident Green Range Layer	Sidney	4650	16.5	17.0			3.0	4.9	8.0	6.0
Occident 20% Egg Mash	Sidney	†	20.0	21.4			3.0	4.0	7.5	6.2
Occident Chick Starter	Sidney	4645	20.0	19.8			3.0	4.0	7.0	5.4
Oat-Mix Mash Maker	Sidney	4656	36.0	36.3			2.0	3.7	8.0	7.6
Occident Calf Starter Meal	Sidney	4652	22.0	22.4			3.5	3.5	7.0	6.6
Occident Turkey Grower	Sidney	4636	20.0	21.1			3.5	3.0	7.5	5.4
Occident Dairy Supplement	Sidney	†	34.0	34.2		5.8	3.5	2.8	7.0	9.0
Occident Grain Balancer	Sidney	4657	26.0	24.0			3.0	5.0	7.5	7.5
Occident 30% Fattening Suppl.	Sidney	4635	30.0	29.7	7.55	5.1	2.0	3.0	7.0	5.8
Calf Milk Replacer	Sidney	4363	27.0	28.9			1.0	1.0	1.0	0.8
Occident Green Tag Stock Cubes	Froid	4637	20.0	25.0	4.0	5.6	3.0	2.2	8.0	6.0
RUSSELL MILLER MILLING CO.										
Minneapolis, Minnesota										
Occident Bran	Froid	4580	14.0	18.3			4.0	5.1	11.5	9.8
FARMERS UNION GRAIN & SUPPLY OF WILLISTON										
Williston, North Dakota										
17% Protein Growing Mash	Circle	5026	17.0	17.5			3.0	3.5	8.0	8.0
Fortified 20% Laying Mash	Circle	5033	20.0	21.1			3.5	4.2	7.5	7.5
15% Protein Chick Starter	Circle	5027	18.0	20.1			4.0	4.0	7.0	8.0
26% Protein Fortified Turkey Starter	Circle	5028	26.0	27.0			2.4	2.8	8.0	8.0
18% Fortified Chick Starter	Froid	5027	18.0	19.3			3.0	4.2	7.0	5.9
GTA 24% Fortified Calf Meal	Froid	5025	24.0	29.0			2.8	3.2	7.0	5.6
GTA 40% Fortified Feeders Concentrate	Froid	5018	40.0	43.3			3.5	5.8	7.0	7.0
GTA 20% Lay Mash	Froid	5033	20.0	22.3			3.0	4.4	7.5	7.5
Fortified 20% Poultry Breeder	Glasgow	†	20.0	20.9			3.5	4.2	7.5	8.4
20% Cattle & Sheep Pellets	Glasgow	5022	20.0	24.3	6.6	6.5	3.0	7.1	12.0	9.8
JOHN MORRELL CO.										
Ottumwa, Iowa										
Red Heart Brand Meat Meal	Wibaux	†	60.0	58.3			5.0	8.1	1.5	0.8
AMERICAN CRYSTAL SUGAR CO.										
Moorhead, Minnesota										
Plain Sugar Beet Pulp	Glendive	†	7.5	9.4			0.3	0.7	22.5	22.5
HEMPHILL SOY PRODUCTS COMPANY										
Kennett, Missouri										
41% Soybean Oil Meal	Miles City	†	41.0	44.0			3.5	4.8	7.0	7.0
HELENA COTTON OIL CO.										
Helena, Arkansas										
Helena Brand Solvent Ext. 41% Cottonseed Meal or Pellets	Miles City	†	41.0	43.3			0.5	1.6	12.0	12.0
SIOUX SOYA MILLS										
Sioux City, Iowa										
"Su-Soya" 44% Soybean Oil Meal	Miles City	†	44.0	42.3			0.5	1.7	7.0	6.1

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COMMERCIAL FEEDS REPORT

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VOLUME 1, PAGE 14, DECEMBER, 1933

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
SHERIDAN FLOURING MILLS, INC.										
Sheridan, Wyoming										
Tomahawk Laying Mash	Hardin	4471	19.0	19.9			3.5	4.2	8.0	8.0
Tomahawk Calf Meal	Hardin	4476	18.0	22.5			3.0	3.8	3.5	3.5
AMSTERDAM STORE										
Amsterdam, Montana										
Amsterdam Special Egg Mash	Bozeman	4445	18.0	19.8			3.5	5.1	10.0	10.0
MONTANA FLOUR MILLS										
Great Falls, Montana										
Cereana Egg Mash	Bozeman	4588	20.0	21.0			3.5	4.1	8.0	8.0
O. A. COOPER COMPANY										
Beatrice, Nebraska										
20% Egg	Hardin	5042	20.0	20.6			3.0	3.9	9.0	9.9
HONEYMEAD PRODUCTS CO.										
Minnetonka, Minnesota										
Honeymead Soybean Oil Meal	St. Ignatius	4957	44.0	47.9			0.5	1.1	7.0	5.8
I. G. BOSWELL CO.										
Litchfield Park, Arizona										
Bosco Brand 43% Protein Cottonseed Meal	St. Ignatius	4978	43.0	50.4			4.5	5.0	12.0	10.2
CARSTEN'S PACKING COMPANY										
Spokane, Washington										
Carsten's Meat Meal	Kalispell	4995	50.0	53.3			5.0	11.6	3.0	2.6
MONTANA VEGETABLE OIL & FEED CO.										
Great Falls, Montana										
34% Protein Linseed Meal	Kalispell	4208	34.0	34.4			3.5	4.4	9.0	9.0
25% Rape Seed Meal—75% Linseed Meal	Missoula	4211	36.0	36.0			3.5	5.9	9.0	9.9
CONSOLIDATED PRODUCTS CO.										
Danville, Illinois										
Kaff-A	Kalispell	†	25.0	24.6			4.0	4.9	2.0	1.2
PRODUCERS COTTON OIL CO.										
Fresno, California										
Producers' 41% Protein Cottonseed Cake	Ronan	5083	41.0	45.8			3.5	5.3	13.0	11.6
MISCO MILLS										
Missoula, Montana										
Flathead Dairy Feed	St. Ignatius	4317	12.0	13.8			2.0	2.3	12.0	8.1
Misco Mills Dairy Feed 18%	St. Ignatius	4285	16.0	19.6			2.5	3.7	10.0	6.5
Misco Hog Concentrate	St. Ignatius	4308	32.0	30.8			2.0	3.8	10.0	9.8
Misco Dairy Concentrate 32%	St. Ignatius	4286	32.0	35.1			2.0	2.6	10.0	8.0
Misco Hog Feeds	St. Ignatius	4304	13.0	15.0			2.5	2.7	10.0	8.3
Misco Poultry Concentrate	St. Ignatius	4234	32.0	31.2			2.5	4.7	9.0	7.7
Turkey Pre-Starter Mash	Kalispell	4299	28.0	27.1			3.0	4.8	6.5	4.9
Gustin's Mixing Concentrate Egg Mash	Kalispell	4319	34.0	38.9			3.0	3.8	14.0	7.5
Misco Turkey Developer	Kalispell	4301	20.0	21.1			3.0	3.3	8.0	8.0
Gustin's Mixers Chick Concentrate	Kalispell	4316	43.0	41.7			3.5	4.5	9.0	6.5
KALISPELL FEED & GRAIN										
Kalispell, Montana										
Flathead Dairy Feed	Kalispell	4831	16.0	17.5	4.8	2.2	2.5	4.1	10.0	8.3
Flathead Hog Feed	Kalispell	4828	14.0	13.3			2.5	2.9	10.0	6.1
Flathead Egg Mash	Kalispell	4832	20.0	20.9			3.0	3.8	8.0	7.0
Beef Fattener	†	†		11.4				4.7		6.4
Flathead Hog Concentrate	Kalispell	4827	34.0	34.6			6.5	6.0	6.0	7.7
Flathead Hen Scratch	Kalispell	4824	11.0	11.7			5.0	5.1	7.5	4.6
Flathead High Energy Broiler Mash	Kalispell	4829	20.0	18.9			3.0	4.1	5.0	3.2
Flathead Chick Developing Scratch	†	†		10.9				2.8		2.2
Flathead Hen Scratch	Libby	4824	11.0	11.8			5.0	2.5	7.5	3.7
Flathead Dairy Feed	Libby	4831	16.0	15.7	4.8	1.6	2.5	3.3	10.0	8.2
Flathead Egg Mash	Libby	4832	20.0	20.4			3.0	3.9	8.0	6.5
Flathead Chick Starting Scratch	Libby	4825	9.0	11.2			3.0	4.0	3.0	2.0
Flathead Chick Starting Mash	Libby	4833	20.0	20.3			3.0	3.3	7.0	4.5
Flathead Developer Mash	Libby	4830	16.0	17.7			3.0	3.5	8.5	5.4

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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

Issued By

The Department of Agriculture, State of Montana, Helena, Montana

and

The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME 1, PAGE 15, DECEMBER, 1953

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
GENERAL MILLS										
Minneapolis, Minnesota										
Sperry 18% Range Feed	Libby	4775	18.0	18.6			2.0	3.5	9.0	8.4
Larro Sureabbit	Libby	4777	15.0	15.7			2.0	3.3	19.0	18.1
Wheat Middlings	Libby	4670	13.5	16.1			3.0	3.9	5.0	3.0
Wheat Bran	Libby	4668	12.0	11.8			3.0	4.0	10.0	11.4
Larro Surelay	Libby	4785	20.0	19.9			2.5	4.4	9.0	8.1
Larro Surelay	Kallispeil	4785	20.0	20.5			2.5	4.7	9.0	7.9
Larro Sure Poultry Concentrate	Kallispeil	4779	32.0	33.2			2.5	4.7	9.0	10.1
Larro Surelift (Antibiotic Mix)	Kallispeil	4767	20.0	22.2			2.5	3.5	7.0	5.1
Larro Surepic	Kallispeil	4765	20.0	21.0			2.5	3.8	4.5	4.5
Larro Suremilk 32%	Kallispeil	4783	32.0	33.7			2.5	2.3	11.0	9.3
Rex Dairy Feed	Kallispeil	4673	16.0	15.3			3.0	3.6	12.5	8.0
Rex Pig & Hog Feed	Kallispeil	4675	15.0	15.2			3.0	3.0	8.0	6.1
Larro Calf Builder	Kallispeil	†	24.0	24.9			2.0	3.1	6.0	4.4
Larro Surecalf	Kallispeil	4792	20.0	21.6			2.5	2.8	5.0	4.4
Larro Surecreeper	Kallispeil	4765	14.0	16.1			2.5	2.7	10.0	8.3
Larro Sure Pork Concentrate	Kallispeil	4782	35.0	35.5			2.0	4.2	10.0	8.9
Rex Chick Starter	Kallispeil	4672	19.0	19.9			2.5	3.4	6.5	6.5
Rex Egg Mash	Kallispeil	4674	20.0	22.4			2.7	3.6	9.0	8.8
Larro Sureabbit	Kallispeil	4777	15.0	15.8			2.0	2.7	19.0	16.7
Larro Chick Grains	Kallispeil	4772	9.5	9.9			2.0	2.4	4.0	1.8
MISSOULA RENDERING PLANT										
Missoula, Montana										
Meat & Bone Scraps	Missoula	†		48.5			11.9			3.2
PRODUCERS COTTON OIL COMPANY OF ARIZONA										
Phoenix, Arizona										
APCO Brand Cottonseed Meal or Pellets	Missoula	4215	43.0	43.6			3.5	5.6	12.0	11.3
WESTERN YEAST COMPANY										
Chillicothe, Illinois										
Western Live Yeast Culture	Missoula	4484	9.0	9.1			2.5	4.8	5.0	2.5
DAWE'S MFG. COMPANY										
Chicago, Illinois										
Flavonine	Missoula	5079	31.0	40.1			1.0	1.6	6.0	5.2
FISHEL PRODUCTS										
Kingsburg, California										
Super-Trate	Missoula	4881	50.0	53.0			6.0	9.5	5.0	4.2
JOHN R. DAILY, INC.										
Missoula, Montana										
Daily's Meat & Bone Scraps	Missoula	4976	45.0	45.4			12.0	14.5	3.0	2.0
HONEYMEAD PRODUCTS COMPANY										
Minneapolis, Minnesota										
"Toast Tested" Soybean Oil Meal	Missoula	4957	44.0	45.0			0.5	4.4	7.0	6.4
AMERICAN CRYSTAL SUGAR COMPANY										
Missoula, Montana										
Molasses Dried Beet Pulp	Missoula	4200	7.0	10.1			0.3	0.8	20.0	17.7
BLITZ WEINHARD COMPANY										
Portland, Oregon										
Brewer's Yeast	Missoula	†	45.0	44.9			1.0	1.0	4.0	2.6
LEDERLE LABORATORIES										
Pearl River, New York										
Arclac (Aureomycin)	Missoula	4540		21.5				4.3		10.0
RAY EWING COMPANY										
Pasadena, California										
Ray Ewing Animal Mix	Missoula	†	10.0	21.9			2.0	4.1	8.0	3.8
CHARLES PFIZER & COMPANY										
Chicago, Illinois										
Antibiotic Feed Supplement D ₂	Missoula			0.7				2.6		10.3

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Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
DAWE'S PRODUCTS COMPANY Chicago, Illinois										
Dawe's Sterol Ds	Missoula	†		34.5				1.7		15.8
RALSTON-PURINA COMPANY St. Louis, Missouri										
Chowmix Hog Feed	Kalispell	4690	13.0	14.0			2.5	2.7	9.0	5.1
Chowmix Laying Mash	Kalispell	4683	18.0	19.8			3.0	3.6	8.5	5.8
Chowmix 16% Dairy Feed	Kalispell	4691	16.0	19.2	2.0	0.3	3.0	3.0	8.0	6.9
Chowmix Chick Growing Mash B	Kalispell	4681	17.0	19.7			3.0	3.3	8.0	6.6
Chowmix Sow and Pig Feed	Kalispell	4689	14.0	17.2			3.0	3.5	7.0	6.2
Chowmix Broiler Growing Feed	Kalispell	4686	17.0	17.8			3.0	3.3	7.0	5.4
Purina Poultry Booster Checkers A	Kalispell	4395	24.0	25.2			2.5	3.7	8.0	7.6
Purina Sow and Pig Chow Suppl.	Kalispell	4345	32.0	35.2			2.0	4.7	9.0	6.0
Purina Hog Chow Supplement	Kalispell	4349	36.0	41.0			2.0	4.7	10.0	6.3
Purina Goat Chow	Kalispell	4374	16.0	24.8			2.0	2.0	10.0	7.1
Chowmix Laying Mash	Plains	4683	18.0	18.3			3.0	3.6	8.5	5.9
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Broiler Chow Starter A	Missoula	4410	22.0	23.2			3.0	4.2	5.0	4.6
.005% 3-Nitro-4-Hydroxyphenylarsonic acid in Purina Chick Starter	Missoula	4377	20.0	22.0			3.0	3.9	5.0	4.9
PLAINS FEED & GRAIN Plains, Montana										
Plains Sow & Pig Feed	Missoula	†		15.2				3.3		5.1
Plains Hog Feed	Missoula	†		14.2				3.6		6.2
MONTANA FLOUR MILLS Great Falls, Montana										
Cerelona Egg Mash	Missoula	4583	20.0	20.0			3.5	4.5	8.0	7.7
Cerelona Econo-Milk Dairy Ration	Missoula	4599	16.0	18.7	3.0	2.0	3.5	4.1	11.0	7.8
Cerelona Turkey Grower	Missoula	4582	20.0	22.7			4.0	5.5	7.0	7.8
Cerelona Sow & Pig Starter	Missoula	4597	17.0	18.0			4.0	4.1	7.0	7.0
Cerelona All Mash Starter & Developer	Missoula	4580	20.0	23.4			3.0	4.4	6.0	5.3
Cerelona Pig & Hog Supplement	Missoula	4595	32.0	33.8			4.5	6.4	10.0	8.3
Cerelona Pig & Hog Supplement	Missoula	4595	32.0	35.3			4.5	6.1	10.0	9.5
Cerelona Hen Scratch	Missoula	4578	10.5	11.6			2.0	2.9	4.0	3.8
Cerelona Steer Fattener	Missoula	4600	15.0	17.1		3.6	3.5	3.3	10.0	7.8
Cerelona Hi-Power 32% Dairy Mix Concentrate ..	Missoula	4608	32.0	34.8	8.7	11.3	3.0	3.9	9.0	9.0
Cerelona Hog Fattener	Missoula	4598	14.0	13.3			3.5	2.8	7.0	6.7
Cerelona Hi-Power 32% Poultry Concentrate ...	Missoula	4590	32.0	34.8			4.5	5.5	8.5	8.5
Cerelona Baby Chick & Turkey Scratch	Missoula	4576	10.0	10.2			2.0	2.1	4.0	2.0
Cerelona Intermediate Scratch Feed	Missoula	4577	10.0	10.4			2.0	3.1	4.0	2.1
Cerelona Pig & Hog Grower	Missoula	4596	15.0	16.2			3.0	3.9	9.0	8.2
Cerelona Turkey Finishing Mash	Missoula	4583	18.0	23.6			3.5	4.7	7.0	7.0
Cerelona 28% Turkey Starting Mash	Missoula	4581	28.0	28.6			4.0	4.9	8.0	5.6
Cerelona Triple M Cubes	Missoula	4603	14.0	15.1			3.5	4.0	10.0	7.2
Cerelona Calf Grower Pellets	Missoula	4591	20.0	21.8			3.5	4.8	9.0	7.4
Montco Hard Wheat Mixed Feed	Missoula	4610	15.0	18.4			4.0	5.5	9.5	9.2
Montco Bran	Missoula	4612	15.0	17.3			3.0	5.1	12.0	10.7
Montco Middlings	Missoula	4611	15.0	17.7			4.0	5.5	9.5	5.9
Hi-Calorie Broiler Ration	Missoula	4596	20.0	22.5			4.5	4.1	4.0	5.3
MISCO MILLS Missoula, Montana										
Dairy Feed 16%	Missoula	4285	16.0	19.5			2.5	3.1	10.0	7.2
Econo-Dairy Feed 16%	Missoula	4324	16.0	17.0	5.3	4.4	2.5	3.2	10.0	8.5
All Purpose Mash	Missoula	4289	17.0	19.3			2.5	4.0	8.0	6.7
Rabbit Pellets	Missoula	4313	16.0	16.8			2.0	3.2	18.0	17.4
Super Lay	Missoula	5058	16.5	18.3			3.0	3.6	4.0	3.5
Chick Starter Mash	Missoula	4287	18.0	19.0			3.0	4.2	7.0	7.0
High Protein Supplement	Missoula	4308	32.0	32.5			2.0	4.0	10.0	12.3

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Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

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VOLUME 1, PAGE 17, DECEMBER, 1953

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
MISCO MILLS										
Missoula, Montana										
Turkey Developer	Missoula	4301	20.0	20.7			3.0	3.7	8.0	8.0
Breeder Fitting Pellets	Missoula	†	30.0	33.5			4.0	3.6	8.0	10.0
Chicken Breeder & Cage Layer Feed	Missoula	4293	20.0	22.9			3.0	3.3	9.0	8.0
Shoquene	Missoula	4315	11.0	11.8			2.5	4.0	9.0	5.2
Grain Rabbit Pellets	Missoula	4314	15.0	17.2			3.0	4.0	8.0	7.4
High Energy Broiler Feed	Missoula	4290	22.0	21.6			3.0	4.0	4.0	4.0
Developer Mash	Missoula	4288	18.0	21.5			3.0	4.3	8.0	8.0
Calf Finishing Pellets	Missoula	4283	15.0	16.2			3.0	3.2	9.0	5.4
Dairy Feed 14%	Missoula	4284	14.0	16.2			2.5	3.4	10.0	7.3
Hog Concentrate	Missoula	4306	32.0	31.6			2.0	3.6	10.0	9.9
Dairy Concentrate 32%	Missoula	4286	32.0	35.4			2.0	3.5	10.0	7.8
20% Egg Mash	Missoula	4291	20.0	21.8			3.0	3.7	8.0	7.0
Poultry Concentrate	Missoula	4294	32.0	31.7			2.5	4.5	9.0	10.6
Calf Weaner Pellets	Missoula	4282	16.0	18.4			3.0	3.6	9.0	7.8
Pellet 20%	Missoula	4307	20.0	19.8			2.5	3.2	9.0	8.8
Econo-Cubes	Missoula	4323	20.0	21.5	6.6	5.9	2.5	2.5	9.0	6.7
Sow & Pig Builder	Missoula	4305	16.0	17.2			2.5	3.3	9.0	7.8
Turkey Developer	Missoula	4301	20.0	20.3			3.0	3.5	8.0	7.9
Turkey Developer Finisher Mash	Missoula	4302	27.0	27.1			3.0	3.9	8.0	8.0
Run-R-Ration	Missoula	4344	12.5	14.2	6.6	2.0	2.5	3.5	8.5	8.2
Peaf Finisher	Missoula	4310	13.5	16.0		3.6	2.5	3.0	9.0	4.1
Calf Meal	Missoula	4280	22.0	24.8			2.5	3.1	6.0	6.0
Calf Pellets	Missoula	4280	22.0	24.2			2.5	3.1	7.0	6.0
Hog Feed	Missoula	4304	13.0	15.4			2.5	2.8	10.0	8.0
Herd Bull Pellets	Missoula	†	16.0	18.1			2.5	3.2	9.0	6.1
4 Grain Scratch Feed	Missoula	4298	9.0	10.9			2.5	4.2	6.0	5.1
Developer Scratch	Missoula	4296	9.0	10.1			2.5	3.5	5.0	2.3
Scratch Feed	Missoula	4297	9.0	9.6			2.5	3.0	5.0	2.2
RAVALLI FEED & SEED										
Hamilton, Montana										
Ravalli No. 2 Egg Mash	Hamilton	4179	18.0	20.6			3.6	4.0	7.2	6.4
Ravalli Growing Mash	Hamilton	4177	18.0	17.8			3.6	4.1	7.6	5.7
Ravalli No. 1 Egg Mash	Hamilton	4180	18.0	19.5			3.7	4.0	7.0	5.8
Ravalli Dairy Feed	Hamilton	4178	15.0	16.8			3.7	3.5	12.0	7.6
Ravalli Hog Feed	Hamilton	†		10.8				2.9		4.3
Ravalli Growing Mash	Hamilton	4177		17.7				3.8		5.5
LAKE MILLING COMPANY										
Ronan, Montana										
Diamond Hi-Energy Mash	Ronan	4261	23.0	23.1			2.5	3.8	4.0	4.0
Diamond Calf Pellets	Ronan	4271	25.0	27.2			3.0	3.0	7.0	8.5
Diamond Calf Finishing Pellets	Ronan	4262	15.0	16.2			3.5	3.4	8.0	8.5
Diamond Growing Mash	Ronan	4259	18.0	18.0			3.5	4.3	9.0	7.9
Diamond Premium Egg Pellets	Ronan	4260	20.0	20.2			3.5	4.2	7.0	5.5
Diamond Hi-Protein Supplement	Ronan	4614	13.0	13.0			2.5	3.3	11.0	10.0
Diamond Dairy Feed 14%	Ronan	4258	32.0	27.9			3.5	3.0	11.0	6.6
Diamond 16% Dairy Feed	Ronan	4266	14.0	14.3			3.0	3.1	7.0	4.4
Diamond 16% Dairy Feed	Ronan	4265	16.0	15.3			3.0	3.1	8.0	4.7
Diamond Pasture Fattening Pellets	Ronan	4272	11.0	10.5			2.0	2.6	8.0	7.7
Diamond Calf Growing Pellets	Ronan	4271	15.0	16.4			3.5	3.5	10.0	8.3
Diamond East Finisher Pellets	Ronan	4270	13.0	14.0			2.5	3.2	7.0	5.2
Diamond Range 20% Cubes	Ronan	4269	20.0	18.9			2.5	3.0	8.0	6.1
Diamond Poultry Concentrate	Ronan	4278	32.0	33.4			3.0	4.8	8.0	8.0
Diamond Dairy Concentrate	Ronan	4267	32.0	35.6			3.5	3.7	10.0	8.9
Diamond Hog Concentrate	Ronan	4273	40.0	38.5			4.5	4.8	6.5	8.5
Diamond Hog Fattener	Ronan	4263	13.0	13.7			2.5	3.6	8.0	7.4
Diamond Green Rabbit Pellets	Ronan	4274	13.0	12.2			2.5	2.3	11.0	12.9
ARMOUR & COMPANY										
Chicago, Illinois										
Armour Blood Meal	Ronan	4176	80.0	81.7			0.0	3.5	2.0	0.9

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			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
THE BORDEN COMPANY										
New York, New York										
MF-FL Blend	Ronan	4622	40.0	43.3			1.0	2.5	6.5	5.0
HoPro 85D for Hog Feeds	Ronan	4620	43.0	43.0			2.5	5.2	6.0	4.7
Car Pro for Calf Meals	Ronan	4618	35.0	41.1			2.5	5.7	6.0	5.3
Ladpro Poultry Feed Supplement	Ronan	4621	50.0	47.9			2.0	2.8	6.0	4.7
Floydry Poultry Feed Supplement	Ronan	4619	35.0	42.7			.5	1.5	6.0	4.9
Boopro Vit. A & D Supplement	Ronan	4617	35.0	41.8			4.0	5.9	7.5	5.8
HILL MILLING COMPANY										
Terreton, Idaho										
Alfalfa Meal	Ronan		15.0	15.1			2.0	2.4	28.0	28.0
MISSOULA RENDERING COMPANY										
Missoula, Montana										
Meat & Bone Scraps, †	Ronan	†		53.0				11.9		2.7
NELSON BROTHERS FISHERIES, LTD.										
Vancouver, B.C.										
Fish Meal, †	Ronan	†		72.8				5.8		.7
ROGERS BROS. SEED CO.										
Dillon, Montana										
Rogers Laying Mash	Dillon	4527	20.0	21.1			3.0	4.1	7.0	7.0
Rogers Laying Mash	Dillon	4527	20.0	22.3			3.0	3.3	7.0	7.0
Rogers Rabbit Pellets	Dillon	4524	14.0	14.0			2.0	2.3	16.0	16.0
Rogers 20% Sheep & Cattle Pellets	Dillon	4522	20.0	20.5		3.6	2.0	2.6	9.0	5.6
Rogers 20% Fortified Sheep & Cattle Pellets	Dillon	4528	20.0	21.6			2.0	3.3	9.0	8.1
Chick Growing Mash	Dillon	4525	19.0	19.7			3.0	4.1	6.0	6.6
VOLLMER & SONS										
Bozeman, Montana										
Ground	Manhattan	†	50.0	50.9			10.0	10.7	3.0	3.0
QUAKER OATS COMPANY										
Chicago, Illinois										
Ful-O-Pep Fitting Feed	Livingston	4715	14.0	15.4			3.0	3.0	10.0	9.5
Ful-O-Pep Rabbit Pellets	Manhattan	4721	16.0	16.9			2.0	2.5	18.0	15.9
Ful-O-Pep Egg Breeder Mash	Manhattan	4737	20.0	21.5			3.5	4.1	8.0	7.8
SIOUX SOYA MILLS										
Sioux City, Iowa										
"Su Soy" Soybean Oil Meal, †	Manhattan	†		40.8				1.3		7.2
OCCIDENT ELEVATOR										
Billings, Montana										
Sunburst 20% Stock Cubes	Livingston	4640	20.0	21.4	4.0	3.6	3.0	3.1	9.5	6.4
MISCO MILLS										
Missoula, Montana										
Grain Pellets	Livingston	4309	11.0	11.9			2.0	2.2	10.0	6.8
Pasture Finisher	Livingston	4311	11.0	12.0			2.0	2.5	10.0	5.7
Turkey Finisher	Livingston	4303	17.0	17.7			3.0	3.6	8.0	6.7
MONTANA FLOUR MILLS										
Great Falls, Montana										
Cereona 36% Range Pellets	Livingston	4609	36.0	36.2	8.75	4.8	3.0	3.7	9.0	9.0
BIEBER FEED & GRAIN CO.										
Big Timber, Montana										
Excellent 16% Dairy Feed	Big Timber	4997	16.0	18.3			2.5	3.5	10.0	9.9
Excellent Growing Mash	Big Timber	4450	17.0	17.9			3.0	3.3	8.0	7.5
Excellent Egg Mash	Big Timber	4451	18.0	20.1			3.0	4.2	8.5	5.8
RUSSELL MILLER MILLING CO.										
Minneapolis, Minnesota										
Occident Hard Wheat Mixed Feed	Big Timber	4981	15.0	18.0			4.0	4.3	9.5	8.6
Alta Hard Wheat Middlings	Big Timber	4982	15.0	16.9			4.0	4.6	8.5	6.9

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Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FEEDS REPORT

Issued By

The Department of Agriculture, State of Montana, Helena, Montana

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The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME I PAGE 19, DECEMBER, 1953

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
GREAT WESTERN SUGAR COMPANY										
Billings, Montana										
B. W. Dried Molasses Beet Pulp	Big Timber	4183	7.8	10.9			0.3	0.8	23.0	18.1
COLORADO MILLING ELEVATOR, RANCH WAY DIVISION										
Denver, Colorado										
Ranch Way Hi Energy Cattle & Sheep Pellets	Bridger	4958	11.0	13.1			3.0	4.6	5.0	5.0
32% Equivalent Cattle & Sheep Pellets	Bridger	4959	32.0	26.0	10.6	0.0	2.0	3.4	8.0	8.0
Ranch Way 40% Hog Supplement Pellets	Bridger	4960	40.0	41.0			2.5	3.1	8.0	6.7
GOLDENA MILLS										
West Fargo, North Dakota										
Goldena 17% Calf Chops	Miles City	4329	17.0	21.6			2.5	3.8	7.5	7.5
SERMAN'S ELEVATOR										
Red Lodge, Montana										
Seaman's Egg Mash	Red Lodge	4653	18.0	20.5			3.5	3.8	7.5	7.5
Seaman's 20% Egg Mash	Red Lodge	4664	20.0	23.3			2.75	3.8	7.25	9.0
Seaman's Hog Balancer	Red Lodge	4662	30.0	33.2			3.25	4.3	9.08	9.1
Seaman's Chick Starter Mash	Red Lodge	4661	20.0	21.9			3.13	3.6	5.92	6.9
Seaman's Dairy & Beef Supplement	Red Lodge	4666	34.0	35.5			2.15	3.0	7.0	8.6
Seaman's Dairy Feed	Red Lodge	4665	14.0	14.9			4.0	4.0	8.5	7.0
THE BUCKEYE COTTON OIL COMPANY										
Cincinnati, Ohio										
Buckeye 41% Hydraulic Soybean Oil Meal	Hardin	4214	41.0	44.7			3.5	5.2	7.0	6.6
O. A. COOPER COMPANY										
Beatrice, Nebraska										
Lucky Seven 41% Range Feed	Hardin	5040	41.0	42.1	13.68	13.2	4.0	4.9	10.0	9.0
32% Dair-Rich Meal	Hardin	†	32.0	39.7	20.0	20.8	3.0	3.6	8.0	8.8
16% Dair-Ration	Hardin	5047	16.0	20.2	5.33	3.5	3.5	4.4	12.0	11.0
32% Lucky Range Breeder	Hardin	5039	32.0	36.1	8.62	8.5	3.5	3.8	10.0	10.0
32% Mash Builder Concentrate	Hardin	5048	32.0	33.7			3.5	4.1	9.0	10.2
Chick Grower	Hardin	5049	16.0	16.9			3.0	3.1	8.0	8.0
20% Lucky Corn Cake	Hardin	5044	20.0	25.4	6.65	5.4	2.5	4.8	8.5	9.2
18% Egg	Hardin	5041	18.0	18.9			3.0	3.6	9.0	8.8
Lucky Laddle Calf Starter	Hardin	†	24.0	28.4			3.0	3.5	6.0	7.0
44 Hi-Power Hog Supplement	Hardin	5055	44.0	44.9			3.0	3.1	8.0	11.0
MONTANA FLOUR MILLS										
Great Falls, Montana										
Cerelana Bar-O-Mineralized Cubes	Big Timber	4604	12.0	12.7			3.0	2.7	10.0	5.5
PIERCE PACKING COMPANY										
Billings, Montana										
Meat Scraps & Bone Meal	Big Timber	4483	50.0	54.0			8.5	8.5	3.5	3.4
RALSTON PURINA COMPANY										
St. Louis, Missouri										
Chowmix Range Cube 20% B	Dillon	4697	20.0	22.8	6.5	5.3	2.0	2.8	10.0	6.6
Purina Range Premix	Dillon	†	50.0	51.0	26.0	25.8	1.0	2.6	8.0	6.3
Purina Pig Starter	Dillon	4346	16.0	20.3			3.0	3.0	6.0	5.8
COLORADO MILLING & ELEVATOR CO.										
Denver, Colorado										
Wheat Mixed Feed & Ground Wheat Screenings	Dillon	†	14.5	17.5			3.5	4.3	8.5	7.5
VAN WATERS & ROGERS, INC.										
Los Angeles, California										
Red Brand Vitamin Supplement for Cattle & Swine	Dillon	†	23.0	30.7			3.5	4.7	6.0	6.0
GENERAL MILLS, INC.										
Minneapolis, Minnesota										
Soybean Oil Meal	Dillon	4676	44.0	46.0			0.5	1.6	7.0	6.1

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COMMERCIAL FEEDS REPORT

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VOLUME I, PAGE 20, DECEMBER, 1953

DOG FOODS

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

Name & Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Moisture		Fat		Fiber	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
RALSTON PURINA COMPANY										
St. Louis, Missouri										
Purina Dog Chow Kibbled Meal	Bozeman	4363	24.0	24.4			5.0	5.5	5.0	3.8
Purina Dog Chow Checkers	Bozeman	4367	24.0	25.7			5.0	7.0	5.0	5.0
VITAMONT SALES COMPANY										
Butte, Montana										
Vitamont Blue Ribbon Dog Food	Bozeman	4233	11.0	9.3	74.0	73.8	3.0	2.2	1.0	0.7
ALBERS MILLING COMPANY										
Los Angeles, California										
Friskies Dog Food	Bozeman	4174	10.0	12.0	74.0	67.9	2.5	5.1	1.0	0.8
Friskies Dog Food Cubes	Bozeman	4172	24.0	23.8			5.0	5.6	4.0	4.0
NATIONAL BISCUIT COMPANY										
New York, New York										
Milk Bone Small Size Dog Biscuit	Bozeman	4186	21.0	21.7			1.5	3.0	2.5	2.5
Pal Dog Biscuit	Bozeman	4189	11.5	20.9			1.5	2.2	2.5	3.3
KELLOGG COMPANY										
Battle Creek, Michigan										
Kellogg's Gro-Pup Ribbon Dog Food	Bozeman	4505	24.0	24.0			3.5	3.6	5.0	5.6
GENERAL FOODS CORP., GAINES DIVISION										
Kankakee, Illinois										
Gaines Krunchon Cubes	Bozeman	4207	25.0	24.4			6.0	6.7	5.0	5.0
CENTENNIAL FLOURING MILLS COMPANY										
Seattle, Washington										
Frolies Dog Food	Bozeman	4194	24.0	27.6			3.5	4.5	6.0	5.3
SPRATTS, LTD.										
San Francisco 3, California										
Spratt's Puppilac	Billings	‡	27.28	25.7	2.25	2.1	26.0	26.4		
HARTZ MOUNTAIN PRODUCTS										
New York 3, New York										
Dog Yummies	Billings	5013	25.5	33.1	6.5	6.4	2.4	8.2	5.9	3.9
ARCHER-DANIELS-MIDLAND COMPANY										
Minneapolis, Minnesota										
Archer Dog Food	Miles City	‡	22.0	26.8			4.0	5.6	4.0	4.0
SWIFT & COMPANY										
Chicago, Illinois										
Swift's Pard Meal	Missoula	4456	26.0	27.7			7.5	8.0	5.0	4.0

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VOLUME I, PAGE 21, DECEMBER, 1953

MINERAL FEEDS

Name and Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
FARMERS UNION GRAIN TERMINAL ASS'N.										
Great Falls, Montana										
GTA Pig and Hog Mineral.....	Bozeman	4871	25.0							
GTA All Purpose Mineral.....	Bozeman	4874	23.0	23.7	4.5	4.1	.05	.09	11.5	8.23
			23.5							
GTA Range Mineral	Bozeman	4979	27.5	28.13	5.3	4.3	.046	.047	13.5	7.94
GTA Hi-Phos Mineral.....	Bozeman	4873	20.0	21.1	6.5	5.2	.055	.045	12.0	11.5
			19.5							
			16.5	18.7	16.0	8.4	.05	.13	10.0	9.9
RALSTON PURINA COMPANY										
St. Louis, Missouri										
PURINA Livestock Mineral†.....	Bozeman	4334	12.5	20.3	6.0	7.3	.0075	.0081	40.0	35.6
MORTON SALT COMPANY										
Salt Lake City, Utah										
Iodized Salt	Bozeman	4240					.007	.008		
Salt with Mono and Di Calcium Phosphate....†.....	Bozeman	†	3.2	2.9	3.0	8.5			86.6	70.7
Sulphurized Salt	Bozeman	5053							97.0	98.2
CUDAHY PACKING COMPANY										
Los Angeles, California										
CUDAHY'S All Purpose Mineral Feed.....†.....	Bozeman	4245	15.0	15.3	4.5	5.0	.03	.16	30.0	28.9
SHEA CHEMICAL CORPORATION										
Columbia, Tennessee										
Shea Dicalcium Phosphate†.....	Bozeman	4979	27.5	28.13	18.0	21.0				
VICTOR CHEMICAL WORKS										
Chicago 4, Illinois										
Dicalcium Phosphate Stock Food Grade.....	Bozeman	†	30.0							
			27.0	28.8	21.0	21.1				
SWIFT & COMPANY										
Chicago, Illinois										
Swift's Mineral Supplement.....†.....	Bridger	4247	25.0	30.0	4.5	5.1	.003	.012	20.0	18.0
SHERIDAN FLOURING MILLS										
Sheridan, Wyoming										
Tomahawk 14.25% Mineral Mix.....†.....	Hardin	4482	25.0	31.1	14.2	14.2	.095	.1	3.0	2.4
NIXON & COMPANY										
Omaha, Nebraska										
Hy-Phos Special Range Mineral.....	Hardin	4990	24.0							
			30.0	26.7	10.0	10.0	0.015	0.04	5.0	4.7
CALCIUM CARBONATE COMPANY										
Chicago, Illinois										
"CCC" Stabilized-Iodized Trace Mineral.....	Sidney	4978	2.65							
			2.85	2.7			.38	.42		
CAREY SALT COMPANY										
Hutchinson, Kansas										
Carey's Salt Block with Trace Minerals.....	Froid	4243					.007	.008	98.19	
									95.19	97.3
FARMERS UNION OF WILLISTON										
Williston, North Dakota										
Plenti-Phos GTA Minerals	Chinook	5016	11.0							
			14.0	14.5	15.0	15.0	.015	.014	5.0	5.0
DR. HESS & CLARK, INC.										
Ashland, Ohio										
Dr. Hess Hog Special†.....	Hamilton	†	15.0	24.1	3.5	5.2	.05	.02	23.0	16.3
Pan-A-Min G†.....	Havre	4448	21.0	27.2	3.5	4.3	.04	.04	10.0	10.7

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Albert H. Kruse
Commissioner of Agriculture
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COMMERCIAL FEEDS REPORT

P. C. Gaines
Chemistry Research Department
Montana State College
Bozeman, Montana

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VOLUME I, PAGE 22, DECEMBER, 1953

MINERAL FEEDS

Name and Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
INTERNATIONAL ELEVATOR CO.										
Minneapolis, Minnesota										
Star-Hi Phos Plus Mineral.....	Glendive	4921	12.0							
			14.5	14.0	17.5	17.5	.003	.004	5.0	3.4
Star-Hi All Purpose Mineral.....†	Glasgow	4922	21.0	28.0	5.5	5.5	.006	.009	17.0	16.2
Star-Hi Mineralized Salt with Iodine...†	Glasgow	4919	6.0	7.0	1.3	1.1	.006	.01	80.0	80.0
C. A. McLELLAN LABORATORY CORP.										
Los Angeles, California										
McLellan's Rex Poultry Powder.....†	Hamilton	‡	28.0	28.2	.5	1.3	.13	.2	12.0	12.5
NIXON & COMPANY										
Omaha, Nebraska										
Hy-Phos Special Range Mineral.....	Wibaux	4990	24.0							
			30.0	27.4	10.0	11.7	.015	.018	5.0	4.8
NORTH DAKOTA MILL & ELEVATOR										
Grand Forks, North Dakota										
Dakota Maid High Phosphorus Mineral...†	Culbertson	‡	28.0	28.0	14.0	14.0	.04	.034	10.0	8.4
OELWEIN CHEMICAL COMPANY										
Calwein, Iowa										
Occo Mineral Compound for Sheep.....	Chinook	4253	19.17							
			17.17	17.5	3.22	3.0	0.01	0.01	15.0	13.0
Occo Mineral for Hogs	Chinook	4254	15.0							
			17.0	15.6	4.0	4.6	.01	.01	0.00	0.00
Occo Mineral for Dairy Cows and Calves.....	Chinook	4252	18.0							
			20.0	20.0	4.5	4.8	.01	.01	8.0	10.8
Occo Mineral for Beef Cattle.....	Chinook	4249	18.0							
			20.0	19.7	4.5	5.7	.01	.009	8.0	7.0
J. PAUL SMITH CO.										
Fort Worth, Texas										
Special Steamed Bone Meals.....†	Circle	4191	31.0	36.0	14.0	15.0				
J. R. WATKINS CO.										
Winona, Minn.										
Watkins Poultry Mineral Compound.....	Hamilton	‡	25.0							
			27.0	25.6	6.0	6.0	.008	.007	10.0	10.0
DR. MACDONALD'S VITAMIZED FEED CO.										
Fort Dodge, Iowa										
Dr. MacDonald's Vy-Tab-O-Lator for Beef Cattle	Manhattan	4925	19.0							
			21.0	20.2	4.0	4.6	.0625	.64	20.0	19.8
KAY DEE FEED CO.										
Sioux City, Iowa										
Worth-Mor Miner-A-Zene Special Sheep Mineral Feed Blocks	Livingston	‡	4.0							
			6.0	6.0	1.0	1.0	.05	.05	72.0	70.0
Worth-Mor Miner-A-Lax Block	Livingston	‡	20.0							
			24.0	20.0	2.0	2.0	.05	.06	22.0	28.8
FOXBLT, INC.										
Sioux City, Iowa										
Western VYM	Livingston	4976	14.0							
			15.0	14.0	5.0	5.0	.0125	.013	None	None
MONSANTO CHEMICAL CO.										
St. Louis, Mo.										
Mono Sodium Phosphate	Livingston	‡				26.4				
SWIFT & CO.										
Chicago, Ill.										
Swift's Steamed Bone Meal.....	Livingston	4948	25.5							
			29.0	27.0	12.0	12.7	T.	T.	.25	T.
DR. HESS & CLARK										
Ashland, Ohio										
Dr. Hess' Feed Builder for Poultry.....†	Big Timber	4447	20.0	31.8	12.0	12.2	0.05	.06		

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VOLUME I, PAGE 23, DECEMBER, 1953

MINERAL FEEDS

Name and Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
THE CUDAHY PACKING CO. Omaha, Neb. All Purpose Mineral Feed Block.....f.....	Big Timber	4432	15.0	27.5	4.5	4.5	0.03	.03	30.0	27.0
MOORMAN MFG. CO. Quincy, Illinois MoortMan's Special Range Mineral Feed.....	Dillon	4819	22.0 25.0	22.0	7.0	8.0	.017	.017	9.0 11.0	9.3
MoortMan's Min-O-Phonef.....	Dillon	4820	18.0	26.4	5.0	5.9	.017	.02	23.5	26.3
MARBLEHEAD LIME CO. Chicago, Ill. Marblehead Mineral Block	Dillon	4983	20.0 25.0	24.4	4.0	4.3	.038	.058	30.0	29.3
SEAMAN ELEVATOR Red Lodge, Montana Seaman's Soluble All Purpose Mineral.....	Red Lodge	4667	31.0 29.0	31.0	1.5	1.3	0.012	0.012	10.0	9.6
HERMAN NAGEL CO. Chicago 4, Illinois Nagel's Formula B.....f.....	Red Lodge	†	18.0	17.8	15.0	15.0	0.15	0.15	0.00	0.00
GOLDENA MILLS West Fargo, North Dakota Goldena Mineral Feedf.....	Miles City	4328	17.50	24.5	4.0	3.9	.02	.02	6.0	5.2
INTERNATIONAL ELEVATOR Minneapolis, Minnesota Star Hi Phos Plus Mineral.....	Miles City	4921	12.0 14.5	13.4	17.5	17.3	.003	.007	5.0	4.6
CAREY SALT CO. Hutchinson, Kansas Carey's Special Mineral Suppl. with Salts.....	Broadus	4244	4.7 5.6	4.7	4.5	5.3	.007	.009	79.0	78.2
CONSOLIDATED CHEMICAL INDUSTRIES, INC. San Francisco, California Digesta Bonef.....	Bozeman	4521	30.0	31.0	14.0	14.1				
MISCO MILLS, Div'n. of Centennial Flouring Mills Missoula, Montana Misco Mineral	Bozeman	4321	24.0 20.0	20.8	15.0	14.4	.017	.024	10.0	9.8
WHITE STAR CONCENTRATE CO. Portland, Oregon Hy-Po Trace Mineralsf.....	Bozeman	4945	30.0	30.5			.35	.13		
H. J. BAKER BRO. New York, N. Y. Curacao Fluorine Phosphatef.....	Bozeman	†	34.0	41.7	14.0	14.2				
KORINEK LABORATORY San Francisco and Portland Dr. C. J. Korinek Sunshine Mineral.....f.....	Bozeman	†	14.0	26.3	5.0	5.0	.06	.07	20.0	17.4
MONTANA FLOUR MILLS COMPANY Great Falls, Montana Anti-Min-Rel	Bozeman	4607	23.0 20.0	21.0	15.0	17.1	.0011	.05	10.0	8.4
FARMERS UNION & GRAIN SUPPLY Williston, North Dakota GTA Vitamin Mineral Suppl.....f.....	Billings	5017	20.0 14.0	18.8	7.0	7.8	.04	.09	10.0	9.3
GTA Plant-Phos	Billings	5016	11.0 14.0	14.0	15.0	14.0	.015	.037	5.0	3.9

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Chemistry Research Department
Montana State College
Bozeman, Montana

REGULAR FEEDS WITH OVER 10% ADDED MINERAL

VOLUME I, PAGE 24, DECEMBER, 1954

Name and Address of Manufacturer with Brand Name	Place of Collection	Registra- tion No.	Protein		Equivalent Crude Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
			Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found	Claimed	Found
CUDARY PACKING																		
Omaha, Nebraska																		
All Purpose Mineral	Wibaux	4433	3.0	5.6							22.0						8.0	
All Purpose Mineral†.....	Circle	4433	3.0	4.2							23.0	22.8	6.0	6.0	.003	.05	10.0	8.1
All Purpose Mineral Feed.....†.....	Circle	4245	4.5	5.5							25.0	25.2	6.0	6.0	.03	.043	3.0	3.0
											15.0	25.5	4.5	4.5		.03	30.0	28.7
FARMERS UNION OF WILLISTON																		
Williston, North Dakota																		
GTA Fortified Mineral	Wolf Point	5017	2.0	1.8							20.0							
											14.0	16.6	7.0	8.0	.04	.04	10.0	6.9
INTERNATIONAL ELEVATOR CO.																		
Minneapolis, Minnesota																		
Star Hi Hog Concentrate.....†.....	Glendive	4918	32.0	33.6			2.0	4.5	7.5	8.3	6.5	8.5	1.5	1.5	.002	.001	4.0	5.0
Star Hi Poultry Conc.....†.....	Glendive	4996	34.0	33.2			2.0	4.2	8.5	9.5	6.0	7.5	1.5	1.5	.0003	T.	2.5	2.5
Star Hi Poultry Conc.....†.....	Glasgow	4896	34.0	34.3			2.0	3.7	8.5	8.5	6.0	6.8	1.6	1.6	.0003	.0003	2.5	1.1
Star Hi Hog Concentrate.....†.....	Glasgow	4918	32.0	32.0			2.0	4.9	7.5	7.5	6.5	8.7	1.5	1.5	.002	.002	4.0	2.0
MUK RIVER ELEVATOR																		
Chinook, Montana																		
Star White Range Premix.....†.....	Chinook	‡	50.0	54.5	26.0	28.9	1.0	2.4	8.0	7.4	3.0	3.8	2.0	2.6			4.0	2.1

Violations in Bold Type
†-Not Targed Properly
‡-Not Registered